Yahoo Group Archive: Lowe_Receivers

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2018. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2008-10-31 through 2018-05-30

Source WARC: lowe_receivers.TQfUcNw.warc.gz

Source item: https://archive.org/details/yahoo-groups-2018-07-06T07-21-30Z-7b07ba

Messages included in this PDF: 1124

Messages omitted as spam from this PDF: 1

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

1. A New beginning

Yahoo group: Lowe_Receivers
Date: 2008-10-31 17:18:34 UTC
From: Fraser
Topic: 1 Message: 1

This is a new Group set up to replace the ageing and unmoderated Lowe_hfreceivers Group.

It is hoped that this Group will become as useful as it's predecessor.

Fraser
Group Owner

2. Data Migration exercise

Yahoo group: Lowe_Receivers
Date: 2008-11-01 12:27:07 UTC
From: Fraser
Topic: 2 Message: 2

Welcome !

This new Lowe Receivers group is open to new membership but is presently undergoing the data migration process of useful data from the legacy "Lowe_hfreceivers" Group.

The Files and Photos areas will be populated shortly. If you cannot find what you need here please go to the legacy site as it may well be there.

Kind Regards

Fraser
Lowe_Receivers Group owner

3. Legacy Lowe_hfreceivers Group location

Yahoo group: Lowe_Receivers
Date: 2008-11-01 12:37:08 UTC
From: Fraser
Topic: 3 Message: 3

```
During the data migration exercise you can find the legacy
Lowe_hfreceivers Group here:

http://groups.yahoo.com/group/lowe_hfreceivers/

Fraser
```

4. New Group

Yahoo group: Lowe_Receivers
Date: 2008-11-01 16:43:39 UTC
From: np1070
Topic: 4 Message: 4

I'd like to be among the first thank Fraser for taking on the task of insuring that the Lowe Receiver forum continues on.

I've been a member of the old list for at least a few years, and while I haven't made many postings myself, I've found it to be a most interesting and valuable resource for information on this very fine product line.

Thanks again! We all owe you a debt of gratitude!

Dennis Hanley, Southern California

5. Congratulations

Yahoo group: Lowe_Receivers
Date: 2008-11-01 13:29:39 UTC
From: Bob Warriner
Topic: 5 Message: 5

```
With you at the helm Fraser I'm very confident that this group will go
from strength to strength.
Thanks for your valuable time.
Rgds Bob.
```

6. Welcome

Yahoo group: Lowe_Receivers
Date: 2008-11-01 18:15:00 UTC
From: Fraser
Topic: 6 Message: 6

Welcome to the new members of this Group.

The moderation settings are set up to moderate all new members messages but I am overiding this seting to "unmoderated" for anyone who I recognise from the Lowe_hfreceivers group. I hope this will make for a far friendlier posting experience for most members.

Fraser

7. Re: [Lowe_Receivers] Welcome

Yahoo group: Lowe_Receivers
Date: 2008-11-01 18:28:14 UTC
From: a aa
Topic: 6 Message: 7

Hi Fraser,

May I suggest that you change to group settings so that you approve new members? New members will need to send you a message to join and read off some symbols off the screen. This ought to eliminate most of the bots that join groups to harvest e-mail addresses. These settings work well on the Palstar group. We have no spam or bots as far as I can tell.

Regards,
Akhil

2008/11/1 Fraser <fraser.castle@...>:
>
> Welcome to the new members of this Group.
>
> The moderation settings are set up to moderate all new members messages
> but I am overiding this seting to "unmoderated" for anyone who I
> recognise from the Lowe_hfreceivers group. I hope this will make for a
> far friendlier posting experience for most members.
>
> Fraser
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

8. Re: [Lowe_Receivers] New Group

Yahoo group: Lowe_Receivers
Date: 2008-11-01 18:29:10 UTC
From: a aa
Topic: 4 Message: 8

Seconded!!

2008/11/1 np1070 <np1070@...>:
> I'd like to be among the first thank Fraser for taking on the task of
> insuring that the Lowe Receiver forum continues on.
>
> I've been a member of the old list for at least a few years, and while
> I haven't made many postings myself, I've found it to be a most
> interesting and valuable resource for information on this very fine
> product line.
>
> Thanks again! We all owe you a debt of gratitude!
>
> Dennis Hanley, Southern California
>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

9. Re: Welcome

Yahoo group: Lowe_Receivers
Date: 2008-11-01 18:39:58 UTC
From: Fraser
Topic: 6 Message: 9

--- In Lowe_Receivers@yahoogroups.com, "a aa" <classwp@...> wrote:
>
> Hi Fraser,
>
> May I suggest that you change to group settings so that you approve
> new members? New members will need to send you a message to join
and
> read off some symbols off the screen. This ought to eliminate most
of
> the bots that join groups to harvest e-mail addresses. These
settings
> work well on the Palstar group. We have no spam or bots as far as I
> can tell.
>
> Regards,
> Akhil
>
SNIP.

Hi Akhil,

I didn't want to force peple to tell me about themselves but your
suggestion is very sound and if it works on the Palstar group, that
is good enough for me. This is all one big learning experience :-)

I fully expect members to propose changes and I am in favour of such
provided other members are no alienated by the change.

I will change the settings accordingly.

Fraser

10. welcome

Yahoo group: Lowe_Receivers
Date: 2008-11-01 20:18:00 UTC
From: John Button
Topic: 10 Message: 10

hello all
thanks for your work, Fraser

73 John
G8JMB

11. New Links on this Group

Yahoo group: Lowe_Receivers
Date: 2008-11-02 12:06:48 UTC
From: Fraser
Topic: 11 Message: 11

Please take a look at teh links that I have entered in this Groups Links area.

I put some of the more useful and intersting links in there last night and discovered a useful site during my seraches.

"RadioPics" is a site dedicated to pictures of communications receivers but it also has pictures of the HF-160 prototype and several Lowe manuals for free download. The HF-125 Manual can be found here.

Best Wishes

Fraser

12. Great!

Yahoo group: Lowe_Receivers
Date: 2008-11-02 14:59:16 UTC
From: driftermick
Topic: 12 Message: 12

Fraser.
Thanks my friend. this looks to be the start of something wonderful. you will find a lot of the members on these groups do come and go. some read a group before picking up a radio, and move on. i do enjoy the tech side, but the groups are more of a backfence, conversation with a friend. but, always a great place for info.

thanks again for your time.
Drifter...

13. My old 225

Yahoo group: Lowe_Receivers
Date: 2008-11-02 16:09:57 UTC
From: David
Topic: 13 Message: 13

Hello Fraser

Well done on the new group. I posted message 1552 on the old group and you were kind enough to reply.

Well - I shortened the wires to the battery modification and so far, all is well - no lock ups or garbage on the display.

I'll post a photo of the old girl in a few days - give some purists a bit of a laugh :-)

Best regards...David

15. Message accidentally sent to Group.

Yahoo group: Lowe_Receivers
Date: 2008-11-02 17:54:27 UTC
From: Fraser
Topic: 15 Message: 15

To those members that received my message to another member via the Group, appologies, it was a mistake and intended to be a personal message to a member of this Group asking for assistance.

Apologies

Fraser

16. Re: My old 225

Yahoo group: Lowe_Receivers
Date: 2008-11-02 20:07:08 UTC
From: Fraser
Topic: 13 Message: 16

--- In Lowe_Receivers@yahoogroups.com, "David" <drncoleman@...> wrote:
>
> Hello Fraser
>
> Well done on the new group. I posted message 1552 on the old group
> and you were kind enough to reply.
>
> Well - I shortened the wires to the battery modification and so far,
> all is well - no lock ups or garbage on the display.
>
> I'll post a photo of the old girl in a few days - give some purists
a
> bit of a laugh :-)
>
> Best regards...David
>

Hi David,

Welcome to the new Group.

Thanks for letting us know about th ereceiver fault and it's
resolution.

It would appear that the longer battery leads were picking up noise
that upset either the micro or the SRAM chip. I am pleased that your
receiver is now working well, long may it continue to do so.

Best Wishes

Fraser

17. Re: My old 225

Yahoo group: Lowe_Receivers
Date: 2008-11-03 18:10:36 UTC
From: Fraser
Topic: 13 Message: 17

--- In Lowe_Receivers@yahoogroups.com, "David" <drncoleman@...> wrote:
>
> Hello Fraser
>
> Well done on the new group. I posted message 1552 on the old group
> and you were kind enough to reply.
>
> Well - I shortened the wires to the battery modification and so far,
> all is well - no lock ups or garbage on the display.
>
> I'll post a photo of the old girl in a few days - give some purists
a
> bit of a laugh :-)
>
> Best regards...David
>

Hi david,

Thanks for posting the first photo to this new Group. I intended to
migrate some from the old groups photos over the weekend but it
didn't happen :-(

Best Wishes

Fraser

19. Re: My old 225

Yahoo group: Lowe_Receivers
Date: 2008-11-03 18:42:47 UTC
From: Fraser
Topic: 13 Message: 19

```
>
> Hi david,
>
> Thanks for posting the first photo to this new Group. I intended to
> migrate some from the old groups photos over the weekend but it
> didn't happen :-(
>
> Best Wishes
>
> Fraser
>
```

Hi David,

You may have no need of it, but I have uploaded a 600dpi scan of an HF-225 front panel label in case you ever decide to make one yourself.

I also uploaded the HF-125 label in case any other member needs one.

You can find them both in the Files area.

I can produce a higher resolution image but the file size gets a bit scary.

Best wishes

Fraser

20. Front panel

Yahoo group: Lowe_Receivers
Date: 2008-11-06 13:32:22 UTC
From: David
Topic: 20 Message: 20

Hi Fraser

Very thoughtful of you

Best regards...David

21. Lowe and other companies copyright

Yahoo group: Lowe_Receivers
Date: 2008-11-11 01:11:03 UTC
From: Fraser
Topic: 21 Message: 21

It has correctly been brought to my attention that some of the material that exists on this Group is copyright and should not be made available via grooups such as this without the owners permission.

As I do not have Lowe management's explicit permission to host copies of their manuals on the new Lowe_Receivers Groups I have deleted them and will not be uploading such material without permission from Lowe. This also means that I must ask members of the new Groups to refrain from breaching copyright via the Group as such material could damage our excellent relationship with those most helpful people at Lowe.

I am deleting any material that I have uploaded to this site that may infringe anyones copyright.

I must add that Lowe have not raised this matter with me but a good friend made mention of it and I realised that copyright does still exist on the manuals etc.

Lowe can supply some manuals via their web spares shop and I always believe in owning an original manual for my receivers.

Best Wishes

Fraser
Owner Lowe_Receivers Group

22. RE: [Lowe_Receivers] Lowe and other companies copyright

Yahoo group: Lowe_Receivers
Date: 2008-11-11 09:34:20 UTC
From: Kobiela, George
Topic: 21 Message: 22

Hi Fraser

I suggest that a word with Lowes would be worthwhile.

In my quest for a service manual for the HF125 they said that they had none left and suggested that I join the original yahoo group to try and find a pdf.

You may well find that they will gladly reduce their admin overhead by pointing people at this group. If they felt that manuals were an important part of their revenue then I suspect they would not have 80% of them out of print.

It'll do no harm to ask.

Cheers
George

Eschew obfuscation,
Espouse elucidation

-----Original Message-----
From: Lowe_Receivers@yahoogroups.com
[mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of Fraser
Sent: 11 November 2008 01:11
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Lowe and other companies copyright

It has correctly been brought to my attention that some of the
material that exists on this Group is copyright and should not be
made available via grooups such as this without the owners permission.

This electronic mail message and any files transmitted with it are confidential and
intended solely for the use of the individual or entity to whom they are addressed.
If you are not the intended recipient, please notify us on +44(0)1954 253600 immediately;
you should not copy it or use it for any purpose, nor disclose its contents to any person.
Pi Research Limited is a company registered in England and Wales under number 05276665 and
whose registered office is at 4 More London Riverside, London SE1 2AU.

23. Re: Lowe and other companies copyright

Yahoo group: Lowe_Receivers
Date: 2008-11-11 10:09:18 UTC
From: Fraser
Topic: 21 Message: 23

```
--- In Lowe_Receivers@yahoogroups.com, "Kobiela, George"
<george.kobiela@...> wrote:
>
> Hi Fraser
>
> I suggest that a word with Lowes would be worthwhile.
>
> In my quest for a service manual for the HF125 they said that they
had
> none left and suggested that I join the original yahoo group to try
and
> find a pdf.
>
> You may well find that they will gladly reduce their admin overhead
by
> pointing people at this group. If they felt that manuals were an
> important part of their revenue then I suspect they would not have
80%
> of them out of print.
>
> It'll do no harm to ask.
>
> Cheers
> George
> ____________________________________________________________
> Eschew obfuscation,
> Espouse elucidation
>
>
```

Dear George,

I have spoken with Lowe.

In discussion with them I have decided that this Group will not hold service manuals but I can state that a Google search of the Internet will fulfil most peoples requirements for manuals as they are out there.

With regard to the HF-125 service manual. I am aware that it is out of print but I still do not have the right to release a copy electronicly even if I had an original to scan. I believe under copyright rules a small percentage of a documents pages may be copied for personal use only. I do not believe open publishing of those pages is permitted though.

This Lowe Group is a community and I believe that if anyone has a problem with their Lowe receiver, the required information to repair it can be made available on a personal basis if it is not available elsewhere.

I must restate that Lowe do still sell some service manuals. It would be wrong of me to destroy the market for those manuals by releasing them on the group. The Lowe spares site is here:

http://www.lowe.co.uk/retail_secondhand.htm

If I receive further guidance from Lowe on this matter I shall act upon it.

Kind Regards

Fraser

Fraser

24. HF 225E filters

Yahoo group: Lowe_Receivers
Date: 2008-11-11 15:29:08 UTC
From: a aa
Topic: 24 Message: 24

Can a list member tell me the BWsand part numbers of the HF 225E IF filters, or give a web link to this info?

Thanks in advance.

Akhil

25. Re: HF 225E filters

Yahoo group: Lowe_Receivers
Date: 2008-11-15 17:29:38 UTC
From: Fraser
Topic: 24 Message: 25

--- In Lowe_Receivers@yahoogroups.com, "a aa" <classwp@...> wrote:
>
> Can a list member tell me the BWsand part numbers of the HF 225E IF
> filters, or give a web link to this info?
>
> Thanks in advance.
>
> Akhil
>

Dear Akhil,

Sorry I have not responded sooner... I have been layed low by the "Flu".

I did some investigation into the Europa modifications and can provide the following Europa filter information that came courtesy of John Crabtree.

The Europa has an additional filter to provide the 3.5kHz BW. It acts to bypass the X2 and X3 filters and effectively becomes a X8 in the parts list.

The different filter selection matrix is handled by the Europa micro'.

The Europa filters that John found in his Europa are as follows:

X2 - CFJ455K14
X3 - CFW455HT
X8 (X2/X3 bypass) - believed to be a CFK455J.
X4 - CFW455IT
X5 - CFU455HT

All filters are Murata and I purchased mine from the Lowe Workshop.

Regards

Fraser

26. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2008-12-02 18:42:14 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 26

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /Lowe Keypads/Refurbishment of the Lowe Keypad.pdf
Uploaded by : frasercastle <fraser.castle@...>
Description : How to revive your ailing Lowe keypad - K-125, K225, KPAD-1 or KPAD-2

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/Lowe%20Keypads/Refurbishment%20of%20the
%20Lowe%20Keypad.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

frasercastle <fraser.castle@...>

27. Lowe sold

Yahoo group: Lowe_Receivers
Date: 2008-12-04 13:57:02 UTC
From: valleyjinker
Topic: 27 Message: 27

http://www.lowe.co.uk/news/fullnews.php?id=2

28. Re: Lowe sold

Yahoo group: Lowe_Receivers
Date: 2008-12-05 16:41:21 UTC
From: mikemaghakian
Topic: 27 Message: 28

I wonder if they will blow out stock of remaining stuff for the receivers ?

hopefully also ship to north america !

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <ant@...> wrote:
>
>
> http://www.lowe.co.uk/news/fullnews.php?id=2
>

29. Lowe HF-225 and HF-150 AC adapters

Yahoo group: Lowe_Receivers
Date: 2008-12-09 20:11:32 UTC
From: billmagness
Topic: 29 Message: 29

Still being a bit of a newbie to Lowe receivers (but progressing up the learning curve) I was looking for some help on ac adapters. Does the 240 volt adapter that comes standard with the units have the ability to be modified to 110 volt (my sense is probably not? Does anyone have any recommendations for a good reliable 110 volt ac adapter for both of these units? At present I have a 220 volt that isn't much use to me at present.

Many thanks ahead of time for the help and consideration.

regards,
Bill

30. Re: Lowe HF-225 and HF-150 AC adapters

Yahoo group: Lowe_Receivers
Date: 2008-12-09 22:36:42 UTC
From: Fraser
Topic: 29 Message: 30

--- In Lowe_Receivers@yahoogroups.com, "billmagness"
<billmagness@...> wrote:
>
> Still being a bit of a newbie to Lowe receivers (but progressing up
the
> learning curve) I was looking for some help on ac adapters. Does
the
> 240 volt adapter that comes standard with the units have the
ability to
> be modified to 110 volt (my sense is probably not? Does anyone
have
> any recommendations for a good reliable 110 volt ac adapter for
both of
> these units? At present I have a 220 volt that isn't much use to
me at
> present.
>
> Many thanks ahead of time for the help and consideration.
>
> regards,
> Bill
>

Hi Bill,

The Lowe power supply units are not voltage selectable as the mains
transformer has a single voltage primary winding.

The power supply units that Lowe used are not special in any way and
may be replaced with a good quality REGULATED unit that you should be
able to source locally. The Lowe units contain a standard linear
power supply consisting of four 1N4001 diodes in a bridge
configuration, a 2200uF smoothing capacitor and a LM7812 12V 1A
linear regulator. Plus some 470 nF decoupling capacitors on the
regulator input and output in some variants.

An unusual feature of the Lowe PSU's was the fact that the mains
earth (ground) connection was connected to the receivers 0V line.
This is not a requirement for a substitute PSU and was just a "mains
earth is better than no earth" idea.

They key requirements are that the power supply is a linear type,
regulated to 12 Volts and can supply at least 400mA. Cheap PSU's are
often not regulated and can present >20V to the receiver when set to
their so called 12V output..... not good.

A key point to remember is that if a PSU generates RFI either spatially or at it's supply output , it will contaminate the receiver and possible cause poor reception at lower frequencies. If you can hear 50 or 60 HZ mains hum coming from the receiver, you likely have a PSU quality problem.

I would expect a company like Radio Shack to have reasonable quality general purpose 12V linear power supplies. Do not buy a switch mode power supply (SMPSU) as they may be small and light but they can be very RF noisy which is not good for receiver use.

In the UK I would expect to pay around £15 retail for a half decent 500mA PSU. Anything cheaper should be treated with some caution.

The best power supplies for recivers are those that were designed for the purpose. They will have plently of decoupling capacitors on components like rectifier diodes and regulators. Some will even employ special low noise regulators and complex smoothing circuits to keep RFI away from the receiver. These sorts of PSU's are most commonly DIY built to construction articles found on the Web or in ARRL/RSGB publications.

Be cautious of cheap large multi amp PSU's designed for CB radio use. I have found some to be of very poor build quality, poorly regulated and very RF noisy..... you get what you pay for with these PSU's.

Hope this helps a little. There are some members of this Group and the Lowe_hfreceivers group who may be able to provise a US suppliers details for a decent PSU.

Best Wishes

Fraser

31. Re: Lowe HF-225 and HF-150 AC adapters

Yahoo group: Lowe_Receivers
Date: 2008-12-12 06:31:52 UTC
From: mikemaghakian
Topic: 29 Message: 31

we need to stress the fact: THE PS MUST BE REGULATED FOR THE HF225 !!!

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...>
wrote:
>
> --- In Lowe_Receivers@yahoogroups.com, "billmagness"
> <billmagness@> wrote:
> >
> > Still being a bit of a newbie to Lowe receivers (but progressing
up
> the
> > learning curve) I was looking for some help on ac adapters. Does
> the
> > 240 volt adapter that comes standard with the units have the
> ability to
> > be modified to 110 volt (my sense is probably not? Does anyone
> have
> > any recommendations for a good reliable 110 volt ac adapter for
> both of
> > these units? At present I have a 220 volt that isn't much use to
> me at
> > present.
> >
> > Many thanks ahead of time for the help and consideration.
> >
> > regards,
> > Bill
> >
>
> Hi Bill,
>
> The Lowe power supply units are not voltage selectable as the mains
> transformer has a single voltage primary winding.
>
> The power supply units that Lowe used are not special in any way
and
> may be replaced with a good quality REGULATED unit that you should
be
> able to source locally. The Lowe units contain a standard linear
> power supply consisting of four 1N4001 diodes in a bridge
> configuration, a 2200uF smoothing capacitor and a LM7812 12V 1A
> linear regulator. Plus some 470 nF decoupling capacitors on the
> regulator input and output in some variants.
>
> An unusual feature of the Lowe PSU's was the fact that the mains

> earth (ground) connection was connected to the receivers 0V line.
> This is not a requirement for a substitute PSU and was just
a "mains
> earth is better than no earth" idea.
>
> They key requirements are that the power supply is a linear type,
> regulated to 12 Volts and can supply at least 400mA. Cheap PSU's
are
> often not regulated and can present >20V to the receiver when set
to
> their so called 12V output..... not good.
>
> A key point to remember is that if a PSU generates RFI either
> spatially or at it's supply output , it will contaminate the
receiver
> and possible cause poor reception at lower frequencies. If you can
> hear 50 or 60 HZ mains hum coming from the receiver, you likely
have
> a PSU quality problem.
>
> I would expect a company like Radio Shack to have reasonable
quality
> general purpose 12V linear power supplies. Do not buy a switch mode
> power supply (SMPSU) as they may be small and light but they can be
> very RF noisy which is not good for receiver use.
>
> In the UK I would expect to pay around £15 retail for a half decent
> 500mA PSU. Anything cheaper should be treated with some caution.
>
> The best power supplies for recivers are those that were designed
for
> the purpose. They will have plently of decoupling capacitors on
> components like rectifier diodes and regulators. Some will even
> employ special low noise regulators and complex smoothing circuits
to
> keep RFI away from the receiver. These sorts of PSU's are most
> commonly DIY built to construction articles found on the Web or in
> ARRL/RSGB publications.
>
> Be cautious of cheap large multi amp PSU's designed for CB radio
use.
> I have found some to be of very poor build quality, poorly
regulated
> and very RF noisy..... you get what you pay for with these PSU's.
>
> Hope this helps a little. There are some members of this Group and
> the Lowe_hfreceivers group who may be able to provise a US
suppliers
> details for a decent PSU.
>

> Best Wishes
>
> Fraser
>

32. Little FYI, on the 225.

Yahoo group: Lowe_Receivers
Date: 2009-01-16 20:09:51 UTC
From: driftermick
Topic: 32 Message: 32

For the group. anyone needing new upper and lower covers
for their 225; radios4you, out of Fla., USA, has come up with
a few covers again. i have no connections with this dealer.
i guess at one time this dealer carried all the bigger names.
now, i see him on eBay on and off. do a web search.

and, I hope everyone had a nice Holiday.

Drifter...

33. Re: Little FYI, on the 225.

Yahoo group: Lowe_Receivers
Date: 2009-01-17 18:16:19 UTC
From: Fraser
Topic: 32 Message: 33

--- In Lowe_Receivers@yahoogroups.com, "driftermick"
<driftermick@...> wrote:
>
> For the group. anyone needing new upper and lower covers
> for their 225; radios4you, out of Fla., USA, has come up with
> a few covers again. i have no connections with this dealer.
> i guess at one time this dealer carried all the bigger names.
> now, i see him on eBay on and off. do a web search.
>
> and, I hope everyone had a nice Holiday.
>
> Drifter...
>

Thanks for the information Drifter.

It's a bit quiet on this Group as the original is still operating
pretty well (still a bit of spam present though).

I will keep this group ticking over and intend to author some
articles for it as time permits. I have moved most of the old groups
reference material to this grouo now so at least we have a back up
available if needed.

Best Wishes

Fraser

34. Re: Little FYI, on the 225.

Yahoo group: Lowe_Receivers
Date: 2009-01-18 13:49:55 UTC
From: driftermick
Topic: 32 Message: 34

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...>
wrote:
>
> >
>
> Thanks for the information Drifter.
>
> It's a bit quiet on this Group as the original is still operating
> pretty well (still a bit of spam present though).
>
> I will keep this group ticking over and intend to author some
> articles for it as time permits. I have moved most of the old
groups
> reference material to this grouo now so at least we have a back up
> available if needed.
>
> Best Wishes
>
> Fraser
>
Hi Fraser.

Yes, i have been watching both groups. was hopeing most would
move to this group, and the old would go away. you have done a
great job with this group. here's hopeing most will regester here.
i follow 21 groups on yahoo, and most have the spam come and go.
i think the worst is that grouply thing. it's terrible. it's some
kind of spyware. so, i'm keeping my fingers crossed.

Drifter...

35. Where's the logic?

Yahoo group: Lowe_Receivers
Date: 2009-01-28 04:48:49 UTC
From: a aa
Topic: 35 Message: 35

Hello Everyone,

Got home from a long day at work earlier this evening and unwound while observing, strictly as a non-bidder, this auction for a PR -150:

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&ssPageName=STRK:MEWAX:IT&item=400026050944

The bids are here:

http://offer.ebay.com/ws/eBayISAPI.dll?ViewBids&item=400026050944

For the life of me, I cannot figure out the logic, if any, in the bidding strategies used by bidders x***a, x***9, 0***e. Why announce your intentions with plenty of time left and allow the opposition to react to your bid? This only pushes the final price up and lessens your own chances of winning when a cold-blooded sniper strikes with seconds to go.

The final price was a bit lower than expected for such a desirable item, IMO. Perhaps a result of the recession? Just curious, have any list members tracked Lowe gear over the past few months and noticed a declining price trend?

Regards,

36. Re: Where's the logic?

Yahoo group: Lowe_Receivers
Date: 2009-01-28 18:35:17 UTC
From: Fraser
Topic: 35 Message: 36

--- In Lowe_Receivers@yahoogroups.com, a aa <classwp@...> wrote:
>
> Hello Everyone,

SNIP
>
> For the life of me, I cannot figure out the logic, if any, in the
> bidding strategies used by bidders x***a, x***9, 0***e. Why
> announce your intentions with plenty of time left and allow the
> opposition to react to your bid? This only pushes the final price up
> and lessens your own chances of winning when a cold-blooded sniper
> strikes with seconds to go.
>
SNIP

Just curious, have any list members tracked Lowe gear over the past
few months and noticed a declining price trend?
>
>
> Regards,
>

Hi a aa

Schill bidding ? It's quite common these days on high value items.
There is nothing to stop a seller asking a friend or colleague to bid
X amount on an item to push up the price. If he/she wins by accident,
then the seller just makes a second chance offer to you.... a very
dishonest practice that I know I have fallen prey to at least once.
The seller virtually admitted such practices when challenged and
suggested that I "stick in there" as I willl probably win the item.
Interestingly all bidding against me on the item stopped from that
point on and I won it.....hmmm odd that. The story is somewhat more
complex than I describe as I had actually won the item for 50p a
month before and the seller had refused to despatch the goods and
refunded me. I suspect that the end price was not to his liking ! It
ended up costing me £16 but was worth over £100 so I was still
pleased. Ebay seems to be a scoundrels paradise these days.

Prices of Lowe receivers seem to have sky rocketed in the UK at the
moment. HF-150's and HF-225's selling for in excess of £200. Th eweak
pound may be encouraging overseas bidders ? This may have the effect
of depressing US local auction prices. I am even considering selling
some of my Lowe receivers as I have more than I care to admit to ;-)

Best wishes

Fraser

37. SRX 30 / SRX 30d

Yahoo group: Lowe_Receivers
Date: 2009-01-29 00:59:58 UTC
From: crashedagain029
Topic: 37 Message: 37

Hi all- as well as an ailing FRG-7, I own both a Lowe SRX 30 (1980) and an SRX 30D (1983 approx). I was wondering if anybody out there also owns the SRX 30, and has any experience of improving its performance. (Filter mods, sensitivity improvements,etc.)

Both radios still work well, but of course perform no-where near the modern receivers of today. The more popular FRG-7 has been widely modified to bring its performance nearer par with today's receivers, and as the SRX-30 is also a Wadely Loop receiver of the same period, it seems likely that similar can be done there.

Tks, Steve.

38. Keypad for Lowe HF-125 receiver

Yahoo group: Lowe_Receivers
Date: 2009-01-29 13:29:46 UTC
From: margotdobbin@btinternet.com
Topic: 38 Message: 38

Hi, I am looking for a keypad for my old HF-125 receiver, if anyone has one and want's to sell it let me know, or if anyone knows of where I can get one or of another type that would do?.....Alex in Millport.

39. Re: SRX 30 / SRX 30d

Yahoo group: Lowe_Receivers
Date: 2009-01-29 15:56:36 UTC
From: Fraser
Topic: 37 Message: 39

--- In Lowe_Receivers@yahoogroups.com, "crashedagain029"
<crashedagain029@...> wrote:
>
> Hi all- as well as an ailing FRG-7, I own both a Lowe SRX 30 (1980)
> and an SRX 30D (1983 approx). I was wondering if anybody out there
> also owns the SRX 30, and has any experience of improving its
> performance. (Filter mods, sensitivity improvements,etc.)
>
> Both radios still work well, but of course perform no-where near the
> modern receivers of today. The more popular FRG-7 has been widely
> modified to bring its performance nearer par with today's receivers,
> and as the SRX-30 is also a Wadely Loop receiver of the same period,
> it seems likely that similar can be done there.
>
> Tks, Steve.
>

Hi Steve,

I have searched the internet several times for information on the
Lowe SRX 30 series of receivers and there appears to be very little
coverage of these receivers. I presume that you already know that
they are really rebadged Century 21 and 21D receivers ?

I did find a review of the Century 21D in Practical Wireless but that
supplied no detail of the schematics or any available upgrades for
the series. The SRX-30D is a much improved version of the SRX-30 and
utilses Plessey mixers and improved preselection and clarifier range.
Th estandard bandwidths are AM - 8 kHz and SSB/CW - 4 kHz. There is
room for improvement with regard to the filters.

I suspect that the types of upgrades that were designed for the FRG-7
could be modified to suit the Century 21/SRX-30 receivers. Usually
the first item on the improvements list is either an IF filter
upgrade or the installation of a switched filter bank to provide a
choice of IF bandwidths. The upgrade route is usually pretty straight
forward if you are just fitting a better ceramic filter rather than a
mechanical type. The choice of filter will very much depend on the
types of signal you prefer to listen to. The small plastic CFK or CFU
filters have their place in receivers but usually have pretty average
characteristics and shape factor. An upgrade to one of the higher
performance (read expensive) filters that usually come in a metal
casing will provide improved IF selectivity that can make the
difference between hearing a weak signal in a crowded band and not
hearing it at all. An important specification for the filter is the
input and output impedance. Make sure the replacement filter has the

same impedance as the original as it's frequency response and flatness can suffer if it is mismatched to the IF. A nominal impedance is 2kOhms for common ceramic filter types. Take a look at articles on the FRG-7 filter upgrades and decide which filter would best suit you. I would recommend replacing the SSB/CW 4 kHz filter with a higher performance product that has a bandwidth of around 2.2 to 2.5kHz. The AM 8kHz filter is Ok for general broadcast listing. Any significant reduction in this filters bandwidth may cause the broadcast audio to become unpleasant to the ear. I would suggest a 6kHz filter if improvement is desired.

The addition of a filter bank can be a little more complicated as you have to provide switching of the IF path through the filters. This can be achieved using two small DPCO relays if only two bandwidths are to be used. Pin diode switching is another option but the complexity of the solution is increased. The IF is likely to be 455 kHz and this can be switched through mechanical contacts like rotary stitches but there is always the problem of filters being bypassed by RF coupling across the wiring and switch. This can destroy the performance of a quality filter in a high performance receiver. It may not be such n issue in an SRX-30 IF stage.

Other modifications that could be transplanted from the FRG-7 to the SRX-30 would be aerial pre-amplifiers for mobile working as in the Lowe HF series receivers and the addition of an FM demodulator board. The pre-amplifiers used to be available as simple kits that could be adapted to fit any receiver. "Howe" used to make one and there are many articles on the internet providing build details. I personally would not bother fitting such a pre-amplifier inside the receiver. The FM board is of limited interest to most users but such a board was produced for the FRG-7 and Trio R1000 receivers. It consisted of a small PCB that contained an MC3357 FM IF and demodulator, 12kHz ceramic filter and various passive components to support the MC3357. The circuit is very similar to that shown in the Motorola datasheet for the chip. The input was 455 kHz and the output was audio to the receivers audio stages. I have one in the loft if you need pictures or more info.

Hope this helps a little.

Best Wishes

Fraser

40. Re: Keypad for Lowe HF-125 receiver

Yahoo group: Lowe_Receivers
Date: 2009-01-29 16:12:12 UTC
From: Fraser
Topic: 38 Message: 40

--- In Lowe_Receivers@yahoogroups.com, "margotdobbin@..."
<margotdobbin@...> wrote:
>
> Hi, I am looking for a keypad for my old HF-125 receiver, if anyone
has
> one and want's to sell it let me know, or if anyone knows of where
I
> can get one or of another type that would do?.....Alex
in
> Millport.
>

Alex,

The Lowe HF series receivers all use the same keypad encoder IC, the Plessey SL490B. The circuit diagram is available in the files area of this group. Some minor component value changes were made throughout the keypads production but nothing significant.

The HF-125 is effectively the same as the KPAD-1 and K-225. If you can find either of these you will be able to use it provided your HF-125 has the keypad option board fitted. The keypad board may be viewed in this groups photos area. Please check whether your receiver has the board fitted on the rear of the control PCB (behind the front panel). If not it was, and probably still is, available from the Lowe workshop at a very reasonable price (http://www.lowe.co.uk/retail_secondhand.htm)

Please note that the presence of the keypad socket on the receiver does not indicate that the option is fitted.

The Lowe keypads do appear on ebay now and then but prices can be high. One option is to DIY build such a keypad. A keyboard may be purchased from Maplin, Radio Spares or Farnell Electronics. A search on the internet should find a supplier of the SL490 IC even though it is long obsolete. (Take a look here : http://www.jabdog.com/semi-lin6.htm). The rest of the circuit is relatively simple and requires just few easily available components.

Best Wishes

Fraser

41. Re: [Lowe_Receivers] Re: SRX 30 / SRX 30d

Yahoo group: Lowe_Receivers
Date: 2009-01-29 16:31:04 UTC
From: crabtreejr@aol.com
Topic: 37 Message: 41

In a message dated 1/29/2009 9:57:00 AM Central Standard Time,
fraser.castle@... writes:

> Hi Steve,
>
> I have searched the internet several times for information on the
> Lowe SRX 30 series of receivers and there appears to be very little
> coverage of these receivers. I presume that you already know that
> they are really rebadged Century 21 and 21D receivers ?
>
> I did find a review of the Century 21D in Practical Wireless but that
> supplied no detail of the schematics or any available upgrades for
> the series. The SRX-30D is a much improved version of the SRX-30 and
> utilses Plessey mixers and improved preselection and clarifier range.
> Th estandard bandwidths are AM - 8 kHz and SSB/CW - 4 kHz. There is
> room for improvement with regard to the filters.

> snip >

The SRX30 was reviewed in Practical Wireless in August 1979. This item is
not in the bibliography in the files section. The SRX30D was reviewed in
Practical Wireless in April 1982.

John Wilson also briefly mentioned the SRX30 in his article in Short Wave
Magazine in February 1998.

73 John KC0G

****
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in just 2 easy steps!
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editreport.com/pm/default.aspx?sc=668072%26hm
pgID=62%26bcd=DecemailfooterNO62)

42. Re: SRX 30 / SRX 30d

Yahoo group: Lowe_Receivers
Date: 2009-01-29 16:57:14 UTC
From: Fraser
Topic: 37 Message: 42

--- In Lowe_Receivers@yahoogroups.com, "crashedagain029"
<crashedagain029@...> wrote:
>
> Hi all- as well as an ailing FRG-7, I own both a Lowe SRX 30 (1980)
> and an SRX 30D (1983 approx). I was wondering if anybody out there
> also owns the SRX 30, and has any experience of improving its
> performance. (Filter mods, sensitivity improvements,etc.)
>
> Both radios still work well, but of course perform no-where near the
> modern receivers of today. The more popular FRG-7 has been widely
> modified to bring its performance nearer par with today's receivers,
> and as the SRX-30 is also a Wadely Loop receiver of the same period,
> it seems likely that similar can be done there.
>
> Tks, Steve.
>

Steve,

I had a look in my archives and there was a small review of teh
Century 21 (SRX-30) on the pages of Dr Boesch. There is also one
modification detailesd at the botton of the review.

Enter the following URL into the Google web page language tool and
you will be able to read the review and navigate to the modification
page.

http://www.dr-boesch.ch/radio/century21-test1.htm

Best Wishes

Fraser

43. Re: SRX 30 / SRX 30d

Yahoo group: Lowe_Receivers
Date: 2009-01-29 17:06:32 UTC
From: Fraser
Topic: 37 Message: 43

SNIP
>
> Steve,
>
> I had a look in my archives and there was a small review of teh
> Century 21 (SRX-30) on the pages of Dr Boesch. There is also one
> modification detailesd at the botton of the review.
>
> Enter the following URL into the Google web page language tool and
> you will be able to read the review and navigate to the
modification
> page.
>
> http://www.dr-boesch.ch/radio/century21-test1.htm
>
> Best Wishes
>
> Fraser
>

Please use Babel Fish translator (http://babelfish.yahoo.com/) to
translate the pages as it makes more sense. Also there is mention of
a 5 kHz filter upgrade but no further detail of the actual
modification.

Fraser

44. Re: SRX 30 / SRX 30d

Yahoo group: Lowe_Receivers
Date: 2009-01-29 19:09:12 UTC
From: Fraser
Topic: 37 Message: 44

More information on the Century 21, again from Dr Boesch but in English this time ;-)

http://www.dr-boesch.ch/radio/radio-e/century21-e.htm

Best Wishes

Fraser

45. Re: SRX 30 / SRX 30d

Yahoo group: Lowe_Receivers
Date: 2009-01-29 22:25:54 UTC
From: crashedagain029
Topic: 37 Message: 45

Hi Fraser and John,

Thanks for your posts and the very useful info. contained there. I'll have to wait 'til the weekend to go through them in detail, but will certainly reply then.

I actually managed to find a schematic for the Drake SSR-1 which is apparently the same as the SRX 30, and also the aligment procedure for the SRX 30 - which I think is an extract from the maintenance manual. Both were publicly available, but took some finding!!

I have the original user manual for the 30D, with schematic, but no maintenance manual. I guess when they get to this age, the maintenance manual is a must for tuning / aligning. Plus some skills I do not yet posses! It would be great to be able to identify the changes in the 30D - back in 1980, I was quite happy with the plain old '30!

With them side by side with the same antenna, the 30D does perform much better, but I put this down to alignment or age, without knowing there was any difference between them except for the freq. counter.

Thanks again!

Steve.

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...>
wrote:
>
>
> More information on the Century 21, again from Dr Boesch but in
English
> this time ;-)
>
> http://www.dr-boesch.ch/radio/radio-e/century21-e.htm
>
> Best Wishes
>
> Fraser
>

46. Re: [Lowe_Receivers] Re: SRX 30 / SRX 30d

Yahoo group: Lowe_Receivers
Date: 2009-01-31 04:10:01 UTC
From: crabtreejr@aol.com
Topic: 37 Message: 46

In a message dated 1/29/2009 9:57:00 AM Central Standard Time,
fraser.castle@... writes:

> From:fraser.castle@...
> Reply-to:Lowe_Receivers@yahoogroups.com
> To:Lowe_Receivers@yahoogroups.com
> Sent from the Internet
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "crashedagain029"
> <crashedagain029@...> wrote:
> >
> > Hi all- as well as an ailing FRG-7, I own both a Lowe SRX 30 (1980)
> > and an SRX 30D (1983 approx). I was wondering if anybody out there
> > also owns the SRX 30, and has any experience of improving its
> > performance. (Filter mods, sensitivity improvements,etc.)
> >
> > Both radios still work well, but of course perform no-where near the
> > modern receivers of today. The more popular FRG-7 has been widely
> > modified to bring its performance nearer par with today's receivers,
> > and as the SRX-30 is also a Wadely Loop receiver of the same period,
> > it seems likely that similar can be done there.
> >
> > Tks, Steve.
> >
>
> Hi Steve,
>
> I have searched the internet several times for information on the
> Lowe SRX 30 series of receivers and there appears to be very little
> coverage of these receivers. I presume that you already know that
> they are really rebadged Century 21 and 21D receivers ?
>
> I did find a review of the Century 21D in Practical Wireless but that

> supplied no detail of the schematics or any available upgrades for
> the series. The SRX-30D is a much improved version of the SRX-30 and
> utilses Plessey mixers and improved preselection and clarifier range.
> Th estandard bandwidths are AM - 8 kHz and SSB/CW - 4 kHz. There is
> room for improvement with regard to the filters.
>
>
>
>

>
>

****
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editreport.com/pm/default.aspx?sc=668072%26hmpgID=62%26bcd=De
cemailfooterNO62)

47. Re: SRX 30 / SRX 30d

Yahoo group: Lowe_Receivers
Date: 2009-02-01 18:09:55 UTC
From: mikemaghakian
Topic: 37 Message: 47

I also recommend looking at a page on my web site devoted to these receivers

http://home.comcast.net/~maghakian/wadmystry.htm

48. Re: SRX 30 / SRX 30d

Yahoo group: Lowe_Receivers
Date: 2009-02-02 00:02:01 UTC
From: crashedagain029
Topic: 37 Message: 48

Thanks - I actually found your site a while back. An amazing collection of radios and other bits I have to say. I see you have the Mizuho Sky Coupler KX2 ATU - I'm using one now, bought it in 1980.

Steve.

--- In Lowe_Receivers@yahoogroups.com, "mikemaghakian" <mikemaghakian@...> wrote:
>
> I also recommend looking at a page on my web site devoted to these
> receivers
>
>
> http://home.comcast.net/~maghakian/wadmystry.htm
>

49. Re: Lowe HF-225 and HF-150 AC adapters

Yahoo group: Lowe_Receivers
Date: 2009-02-16 01:06:35 UTC
From: jtcasejr
Topic: 29 Message: 49

To cut down on my collection of wall warts,as well as prolong the
life of Icom R-75, I bought a Pyramid PS-3KX as recommended
in "Passport" for use with the Icom R-75. I ran the output of the
power supply to a power-pole power strip, and have been happily
running the Icom off of it for several months. I recently bought a
used HF-225 Europa, and was planning on running it from a similar set-
up. The output of the power supply is 13.8v. Do you think it is OK to
run the Lowe off of this, or should I be looking at adding a current
limiter?

Thanks,

John

- In Lowe_Receivers@...m, "Fraser" <fraser.castle@...>
wrote:
>
> --- In Lowe_Receivers@yahoogroups.com, "billmagness"
> <billmagness@> wrote:
> >
> > Still being a bit of a newbie to Lowe receivers (but progressing
up
> the
> > learning curve) I was looking for some help on ac adapters. Does
> the
> > 240 volt adapter that comes standard with the units have the
> ability to
> > be modified to 110 volt (my sense is probably not? Does anyone
> have
> > any recommendations for a good reliable 110 volt ac adapter for
> both of
> > these units? At present I have a 220 volt that isn't much use to
> me at
> > present.
> >
> > Many thanks ahead of time for the help and consideration.
> >
> > regards,
> > Bill
> >
>
> Hi Bill,
>
> The Lowe power supply units are not voltage selectable as the mains
> transformer has a single voltage primary winding.
>

> The power supply units that Lowe used are not special in any way
and
> may be replaced with a good quality REGULATED unit that you should
be
> able to source locally. The Lowe units contain a standard linear
> power supply consisting of four 1N4001 diodes in a bridge
> configuration, a 2200uF smoothing capacitor and a LM7812 12V 1A
> linear regulator. Plus some 470 nF decoupling capacitors on the
> regulator input and output in some variants.
>
> An unusual feature of the Lowe PSU's was the fact that the mains
> earth (ground) connection was connected to the receivers 0V line.
> This is not a requirement for a substitute PSU and was just
a "mains
> earth is better than no earth" idea.
>
> They key requirements are that the power supply is a linear type,
> regulated to 12 Volts and can supply at least 400mA. Cheap PSU's
are
> often not regulated and can present >20V to the receiver when set
to
> their so called 12V output..... not good.
>
> A key point to remember is that if a PSU generates RFI either
> spatially or at it's supply output , it will contaminate the
receiver
> and possible cause poor reception at lower frequencies. If you can
> hear 50 or 60 HZ mains hum coming from the receiver, you likely
have
> a PSU quality problem.
>
> I would expect a company like Radio Shack to have reasonable
quality
> general purpose 12V linear power supplies. Do not buy a switch mode
> power supply (SMPSU) as they may be small and light but they can be
> very RF noisy which is not good for receiver use.
>
> In the UK I would expect to pay around £15 retail for a half decent
> 500mA PSU. Anything cheaper should be treated with some caution.
>
> The best power supplies for recivers are those that were designed
for
> the purpose. They will have plently of decoupling capacitors on
> components like rectifier diodes and regulators. Some will even
> employ special low noise regulators and complex smoothing circuits
to
> keep RFI away from the receiver. These sorts of PSU's are most
> commonly DIY built to construction articles found on the Web or in
> ARRL/RSGB publications.
>

> Be cautious of cheap large multi amp PSU's designed for CB radio use.
> I have found some to be of very poor build quality, poorly regulated
> and very RF noisy..... you get what you pay for with these PSU's.
>
> Hope this helps a little. There are some members of this Group and
> the Lowe_hfreceivers group who may be able to provise a US suppliers
> details for a decent PSU.
>
> Best Wishes
>
> Fraser
>

50. Re: Lowe HF-225 and HF-150 AC adapters

Yahoo group: Lowe_Receivers
Date: 2009-02-16 19:58:18 UTC
From: Fraser
Topic: 29 Message: 50

--- In Lowe_Receivers@yahoogroups.com, "jtcasejr" <jtcasejr@...> wrote:
>
> To cut down on my collection of wall warts,as well as prolong the
> life of Icom R-75, I bought a Pyramid PS-3KX as recommended
> in "Passport" for use with the Icom R-75. I ran the output of the
> power supply to a power-pole power strip, and have been happily
> running the Icom off of it for several months. I recently bought a
> used HF-225 Europa, and was planning on running it from a similar set-
> up. The output of the power supply is 13.8v. Do you think it is OK to
> run the Lowe off of this, or should I be looking at adding a current
> limiter?
>
> Thanks,
>
> John

Dear John,

The HF-150 and HF-225 are rated to operate on a DC supply that does not exceed 16.0V (as stated in the service manuals). As such your 13.8V supply does not present a risk to the receivers.

Kind Regards

Fraser

51. Lowe HF 250 Remote Control

Yahoo group: Lowe_Receivers
Date: 2009-02-28 20:26:14 UTC
From: a aa
Topic: 51 Message: 51

While cleaning out my electronics closet I found an extra unused Lowe HF-250 remote control. It is new and unused. I have no need for it and wish to sell it.
How does $ 30 + post and insurance sound?

If interested, please contact me off list.

Regards,
Akhil

52. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-03-19 17:54:02 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 52

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /Sinadders/SL-101.pdf
Uploaded by : frasercastle <fraser.castle@...>
Description : The Helper SL-101 Sinadder

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/Sinadders/SL-101.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

frasercastle <fraser.castle@...>
```

53. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-03-19 17:54:36 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 53

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /Sinadders/SL-103.pdf
Uploaded by : frasercastle <fraser.castle@...>
Description : The Helper SL-103 Sinadder

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/Sinadders/SL-103.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

frasercastle <fraser.castle@...>
```

54. Re: New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-03-20 23:11:53 UTC
From: John Button
Topic: 26 Message: 54

> File : /Sinadders/SL-103.pdf , SL-101
> Uploaded by : frasercastle <fraser.castle@...>
> Description : The Helper SL-103 Sinadder
>
>Hi Fraser- Thanks- graet piece of kit- its what all the Clansman radios at Racal were aligned with.

John

55. Re: New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-03-21 00:14:04 UTC
From: Fraser
Topic: 26 Message: 55

--- In Lowe_Receivers@yahoogroups.com, "John Button" <jbutton@...> wrote:
>
> > File : /Sinadders/SL-103.pdf , SL-101
> > Uploaded by : frasercastle <fraser.castle@>
> > Description : The Helper SL-103 Sinadder
> >
> >Hi Fraser- Thanks- graet piece of kit- its what all the Clansman radios at Racal were aligned with.
>
> John
>

Hi John,

I have not uploaded the Sinadder manuals to date as they are not made by Lowe. They were, however used during alignment on the Lowe receiver production line so are of some interest. I have just purchased a late model SL-105 to keep my SL-101 company and thought that some owners of Lowe receivers may be interested in what a Sinadder actually is. My SL-101 came from the Lowe workshop clearance a few months ago and has been providing excellent service. These units, as you say, are great pieces of alignment kit. Prior to owning one, I was using a lovely Marconi 893B AF power/SINAD meter (purchased new for £50 from Stewart of Reading) but the Sinadder is far quicker to use.

I'll post some pictures in the photos area.

Best Wishes

Fraser

56. HF150 with dementia

Yahoo group: Lowe_Receivers
Date: 2009-03-25 11:50:44 UTC
From: pete.milnes@btinternet.com
Topic: 56 Message: 56

Hi
I have a HF150 that is quite old. Recently it has been exhibiting increasingly random behaviour. Sometimes, pressing the buttons on the front panel cause it to have a fit and select a random mode and frequency. Other times it will suddenly, and without provocation, jump in frequecy. The jump is usually only a few kHz and it remains on-station. Today it had decided that the tuning knob should change the frequency by a random amount!

I originally suspected power supply problems, however, changing to a stabalised source made no difference. I now suspect the main processor chip (Q1 - 83C751) is starting to forget its programming.

Has anybody else experienced this ?

Has anybody re-engineered Q1 ?

Cheers

Pete

57. Re: HF150 with dementia

Yahoo group: Lowe_Receivers
Date: 2009-03-25 18:15:50 UTC
From: Fraser
Topic: 56 Message: 57

--- In Lowe_Receivers@yahoogroups.com, "pete.milnes@..." <pete.milnes@...> wrote:
>
> Hi
> I have a HF150 that is quite old. Recently it has been exhibiting increasingly random behaviour. Sometimes, pressing the buttons on the front panel cause it to have a fit and select a random mode and frequency. Other times it will suddenly, and without provocation, jump in frequecy. The jump is usually only a few kHz and it remains on-station. Today it had decided that the tuning knob should change the frequency by a random amount!
>
> I originally suspected power supply problems, however, changing to a stabalised source made no difference. I now suspect the main processor chip (Q1 - 83C751) is starting to forget its programming.
>
> Has anybody else experienced this ?
>
> Has anybody re-engineered Q1 ?
>
> Cheers
>
> Pete
>

Dear Pete,

I have removed moderation from your account so your messages will now post immediately.

Sorry to hear that your HF-150 is misbehaving.

The good news about your fault is that it is unlikely to be the very relaible microprocessor (87C751 or 83C751). This particular micro has proved to be very reliable as to the best of my knowledge does not suffer the degradation of the memory cells over time that is seen in EPROMS. Micros like the 83C/87C series tend to die rather tnhan become erratic.

The bad news is that there are many possible causes of this unusual behaviour. I will list some well known causes of such a fault but please also refer to the database in the database area of this group for more possibilities.

1. Noise on the microprocessor supply rails. Check with an ocilloscope
2. Noise from PSU acting upon the Keypad input interface via the B+ rail and confusing the micro.
3. Pins on microprocessor dry jointed or not soldered at all !
4. Solder bridges between control PCB and Main PCB cracked or dry jointed.

It is well worth taking a close look at all the solder joints mentioned with an illuminated magnifier as some dry koints are very hard to spot. I ALWAYS desolder and resolder the connections between the control PCB and main PCB on any receiver that I have in for repair.

I trust that you have a copy of the Lowe HF-150 service manual. This is very helpful in explaining the electronic operation of the receiver and the tuning cycle.

Kind Regards

Fraser

58. Re: HF150 with dementia

Yahoo group: Lowe_Receivers
Date: 2009-03-25 18:41:45 UTC
From: Fraser
Topic: 56 Message: 58

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...> wrote:
>
> --- In Lowe_Receivers@yahoogroups.com, "pete.milnes@" <pete.milnes@> wrote:
> >
> > Hi
> > I have a HF150 that is quite old. Recently it has been exhibiting increasingly random behaviour. Sometimes, pressing the buttons on the front panel cause it to have a fit and select a random mode and frequency. Other times it will suddenly, and without provocation, jump in frequecy. The jump is usually only a few kHz and it remains on-station. Today it had decided that the tuning knob should change the frequency by a random amount!
> >
> > I originally suspected power supply problems, however, changing to a stabalised source made no difference. I now suspect the main processor chip (Q1 - 83C751) is starting to forget its programming.
> >
> > Has anybody else experienced this ?
> >
> > Has anybody re-engineered Q1 ?
> >
> > Cheers
> >
> > Pete
> >
>
> Dear Pete,
>
> I have removed moderation from your account so your messages will now post immediately.
>
> Sorry to hear that your HF-150 is misbehaving.
>
> The good news about your fault is that it is unlikely to be the very relaible microprocessor (87C751 or 83C751). This particular micro has proved to be very reliable as to the best of my knowledge does not suffer the degradation of the memory cells over time that is seen in EPROMS. Micros like the 83C/87C series tend to die rather tnhan become erratic.
>
> The bad news is that there are many possible causes of this unusual behaviour. I will list some well known causes of such a fault but please also refer to the database in the database area of this group for more possibilities.
>
> 1. Noise on the microprocessor supply rails. Check with an ocilloscope
> 2. Noise from PSU acting upon the Keypad input interface via the B+ rail and confusing the micro.
> 3. Pins on microprocessor dry jointed or not soldered at all !
> 4. Solder bridges between control PCB and Main PCB cracked or dry jointed.

>
> It is well worth taking a close look at all the solder joints mentioned with an illuminated magnifier as some dry koints are very hard to spot. I ALWAYS desolder and resolder the connections between the control PCB and main PCB on any receiver that I have in for repair.
>
> I trust that you have a copy of the Lowe HF-150 service manual. This is very helpful in explaining the electronic operation of the receiver and the tuning cycle.
>
> Kind Regards
>
> Fraser
>

Pete,

Further to my email....

I have both the firmware binary and fully programmed HF-150 87C751 microprocessors in stock if you decide you need one.

Contact me by PM if needed.

Kind Regards

Fraser

59. Re: HF150 with dementia

Yahoo group: Lowe_Receivers
Date: 2009-03-29 10:54:29 UTC
From: pete.milnes@btinternet.com
Topic: 56 Message: 59

Hi

Many thanks for your replies and pointers to possible faults. It does not appear to be noise on any of the supplies. Since openning it up and having it connected on the bench it has not misbehaved! I've tickled a few of the dodgier looking joints with the soldering iron and removed some suspicious looking metal swarf. So it's going back into its case ... fingers crossed!

Cheers

Pete

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...> wrote:
>
> --- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@> wrote:
> >
> > --- In Lowe_Receivers@yahoogroups.com, "pete.milnes@" <pete.milnes@> wrote:
> > >
> > > Hi
> > > I have a HF150 that is quite old. Recently it has been exhibiting increasingly random behaviour. Sometimes, pressing the buttons on the front panel cause it to have a fit and select a random mode and frequency. Other times it will suddenly, and without provocation, jump in frequecy. The jump is usually only a few kHz and it remains on-station. Today it had decided that the tuning knob should change the frequency by a random amount!
> > >
> > > I originally suspected power supply problems, however, changing to a stabalised source made no difference. I now suspect the main processor chip (Q1 - 83C751) is starting to forget its programming.
> > >
> > > Has anybody else experienced this ?
> > >
> > > Has anybody re-engineered Q1 ?
> > >
> > > Cheers
> > >
> > > Pete
> > >
> >
> > Dear Pete,
> >
> > I have removed moderation from your account so your messages will now post immediately.
> >
> > Sorry to hear that your HF-150 is misbehaving.
> >
> > The good news about your fault is that it is unlikely to be the very relaible microprocessor (87C751 or 83C751). This particular micro has proved to be very reliable as

to the best of my knowledge does not suffer the degradation of the memory cells over time that is seen in EPROMS. Micros like the 83C/87C series tend to die rather tnhan become erratic.
> >
> > The bad news is that there are many possible causes of this unusual behaviour. I will list some well known causes of such a fault but please also refer to the database in the database area of this group for more possibilities.
> >
> > 1. Noise on the microprocessor supply rails. Check with an ocilloscope
> > 2. Noise from PSU acting upon the Keypad input interface via the B+ rail and confusing the micro.
> > 3. Pins on microprocessor dry jointed or not soldered at all !
> > 4. Solder bridges between control PCB and Main PCB cracked or dry jointed.
> >
> > It is well worth taking a close look at all the solder joints mentioned with an illuminated magnifier as some dry koints are very hard to spot. I ALWAYS desolder and resolder the connections between the control PCB and main PCB on any receiver that I have in for repair.
> >
> > I trust that you have a copy of the Lowe HF-150 service manual. This is very helpful in explaining the electronic operation of the receiver and the tuning cycle.
> >
> > Kind Regards
> >
> > Fraser
> >
>
> Pete,
>
> Further to my email....
>
> I have both the firmware binary and fully programmed HF-150 87C751 microprocessors in stock if you decide you need one.
>
> Contact me by PM if needed.
>
> Kind Regards
>
> Fraser
>

60. Re: HF150 with dementia

Yahoo group: Lowe_Receivers
Date: 2009-03-29 13:32:39 UTC
From: Fraser
Topic: 56 Message: 60

--- In Lowe_Receivers@yahoogroups.com, "pete.milnes@..." <pete.milnes@...> wrote:
>
> Hi
>
> Many thanks for your replies and pointers to possible faults. It does not appear to be noise on any of the supplies. Since openning it up and having it connected on the bench it has not misbehaved! I've tickled a few of the dodgier looking joints with the soldering iron and removed some suspicious looking metal swarf. So it's going back into its case ... fingers crossed!
>
> Cheers
>
> Pete
>
SNIP

Hi Pete,

Excellent news !

I am pleased that the unit is now behaving. Metal swarf eh....nasty stuff. I have had odd faults in other electronic devices that have been caused by chassis swarf or solder splatter. In some cases the equipment has worked fine for years then after being moved the swarf/solder gets where it shouldn't be.

OT - The oddest "swarf" fault I have had recently was an Optoma projector that had been dropped. It was not a serious fall but enough to compress the front spring loaded angle adjuster foot. The spring shot out of the foots leg assembly and found it's way into the SMPSU module 240V section. Next time the projector was used....BANG! It was actually a simple fault to repair as the cause was obvious with two burn marks and pieces of molten spring in various parts of the unit ! The replacement of a few discrete components had the unit working again :-)

In your case I would suspect a dry joint issue as disassembly of the HF-150 will often twist the PCBs a little and can either cause or cure a dry joint fault. Hopefully your solder reworking will have nailed the blighter.

Best Wishes

Fraser

61. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-04-07 15:08:41 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 61

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /HF-125/Lowe HF-125 Brochure.pdf
Uploaded by : frasercastle <fraser.castle@...>
Description : Lowe sales brochure for the HF-125

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/HF-125/Lowe%20HF-125%20Brochure.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

frasercastle <fraser.castle@...>
```

62. Re: New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-04-09 19:14:09 UTC
From: driftermick
Topic: 26 Message: 62

Thanks Fraser. like everything else, i also collect these.
for some reason, there is not a lot of info on the 125. so,
save to disk, and a print out for the 125 book. hope you
are well.

thanks again.
Drifter...

--- In Lowe_Receivers@yahoogroups.com, Lowe_Receivers@yahoogroups.com
wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the Lowe_Receivers
> group.
>
> File : /HF-125/Lowe HF-125 Brochure.pdf
> Uploaded by : frasercastle <fraser.castle@...>
> Description : Lowe sales brochure for the HF-125
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/Lowe_Receivers/files/HF-125/Lowe%20HF-125%20Brochure.pdf
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles
>
> Regards,
>
> frasercastle <fraser.castle@...>
>

63. Re: Where's the logic?

Yahoo group: Lowe_Receivers
Date: 2009-04-09 19:27:42 UTC
From: driftermick
Topic: 35 Message: 63

Little update on the ebay's. with the bad econ, it seems to
be a buyer's market right now. some of the older and collectable
receivers, have sold low, or not at all. i watched a Drake MSR-2
not reach reserve; the high bid was around $800 USD. 6 months ago
this would have went for $1800 to $2K. a friend of mine sold a
NRD-515 for $850 on ebay. i know this radio and 6 months ago it
should have went for $1200 to $1300 USD. so, it's a good time
to look for that receiver you have wanted, and didn't wish to
pay last years prices. at this time there is a Lowe 150 @ a BIN
of $450 on ebay. this radio is Craig's, of KIWA. if i didn't have
2 150's, i would jump on this. it's better than new.

Drifter...

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...>
wrote:
>
> --- In Lowe_Receivers@yahoogroups.com, a aa <classwp@> wrote:
> >
> > Hello Everyone,
>
> SNIP
> >
> > For the life of me, I cannot figure out the logic, if any, in the
> > bidding strategies used by bidders x***a, x***9, 0***e. Why
> > announce your intentions with plenty of time left and allow the
> > opposition to react to your bid? This only pushes the final price up
> > and lessens your own chances of winning when a cold-blooded sniper
> > strikes with seconds to go.
> >
> SNIP
>
> Just curious, have any list members tracked Lowe gear over the past
> few months and noticed a declining price trend?
> >
> >
> > Regards,
> >
>
>
> Hi a aa
>
> Schill bidding ? It's quite common these days on high value items.
> There is nothing to stop a seller asking a friend or colleague to bid
> X amount on an item to push up the price. If he/she wins by accident,

> then the seller just makes a second chance offer to you.... a very
> dishonest practice that I know I have fallen prey to at least once.
> The seller virtually admitted such practices when challenged and
> suggested that I "stick in there" as I willl probably win the item.
> Interestingly all bidding against me on the item stopped from that
> point on and I won it.....hmmm odd that. The story is somewhat more
> complex than I describe as I had actually won the item for 50p a
> month before and the seller had refused to despatch the goods and
> refunded me. I suspect that the end price was not to his liking ! It
> ended up costing me £16 but was worth over £100 so I was still
> pleased. Ebay seems to be a scoundrels paradise these days.
>
> Prices of Lowe receivers seem to have sky rocketed in the UK at the
> moment. HF-150's and HF-225's selling for in excess of £200. Th eweak
> pound may be encouraging overseas bidders ? This may have the effect
> of depressing US local auction prices. I am even considering selling
> some of my Lowe receivers as I have more than I care to admit to ;-)
>
> Best wishes
>
> Fraser
>

64. Lowe_receivers Group Sitrep & Repair Service

Yahoo group: Lowe_Receivers
Date: 2009-04-29 08:09:19 UTC
From: Fraser
Topic: 64 Message: 64

The Following was postd on the Lowe_hfreceivers Group 29 April 09

Dear all,

I have the Lowe_receivers Group in a state that is viable for use.

The content of the Group is most of what I had in my archives and material that was once on this Group.

I still have an interest in Lowe receivers but my spare time is in very short supply these days. I will be adding content to the Lowe_Receivers Group as and when I get the chance. There are several projects that I would like to document over the coming months that may be of interest to members of the Group.

With less free time at my disposal I will not be able to engage in discussions as often as I might like but I am still willing to offer any technical assistance that may be required by the membership and for the present I will continue with the repair of Lowe Receivers without charge (except for postage & parts). I cannot guarantee that this service to the Group membership will continue forever but provided the demand is not too great, I will endeavour to continue with it.

I will soon cease to monitor the legacy Lowe_hfreceivers Group as I have no need of it and the lack of spam blocking erks me somewhat. If anyone needs my assistance or wishes to discuss any Lowe related matters please join the Lowe_Receivers Group and post your messages. The group is not overly moderated (all legitimate members applications have their messages set to unmoderated by me upon joining). I hope that the Lowe_Receivers Group will become a useful source of Lowe related information and enjoyable discussions. All submissions are welcome.

Kind Regards to you all

Fraser

65. Re: Lowe_receivers Group Sitrep & Repair Service

Yahoo group: Lowe_Receivers
Date: 2009-04-29 15:46:11 UTC
From: mikemaghakian
Topic: 64 Message: 65

I appreciate all you have done and are doing

Mike

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...> wrote:
>
> The Following was postd on the Lowe_hfreceivers Group 29 April 09
>
>
> Dear all,
>
> I have the Lowe_receivers Group in a state that is viable for use.
>
> The content of the Group is most of what I had in my archives and material that was once on this Group.
>
> I still have an interest in Lowe receivers but my spare time is in very short supply these days. I will be adding content to the Lowe_Receivers Group as and when I get the chance. There are several projects that I would like to document over the coming months that may be of interest to members of the Group.
>
> With less free time at my disposal I will not be able to engage in discussions as often as I might like but I am still willing to offer any technical assistance that may be required by the membership and for the present I will continue with the repair of Lowe Receivers without charge (except for postage & parts). I cannot guarantee that this service to the Group membership will continue forever but provided the demand is not too great, I will endeavour to continue with it.
>
> I will soon cease to monitor the legacy Lowe_hfreceivers Group as I have no need of it and the lack of spam blocking erks me somewhat. If anyone needs my assistance or wishes to discuss any Lowe related matters please join the Lowe_Receivers Group and post your messages. The group is not overly moderated (all legitimate members applications have their messages set to unmoderated by me upon joining). I hope that the Lowe_Receivers Group will become a useful source of Lowe related information and enjoyable discussions. All submissions are welcome.
>
> Kind Regards to you all
>
> Fraser
>

66. Encoder for Lowe receivers

Yahoo group: Lowe_Receivers
Date: 2009-05-12 09:41:50 UTC
From: valleyjinker
Topic: 66 Message: 66

Make your own with a shaft, a bearing, and this little wonder:

http://www.electropages.com/viewArticle.aspx?intArticle=12952

AS5035 IC

Its available from Farnell but their web-site seems to be up the pictures at the mo.

67. Re: Encoder for Lowe receivers

Yahoo group: Lowe_Receivers
Date: 2009-05-12 16:16:12 UTC
From: Fraser
Topic: 66 Message: 67

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <ant@...> wrote:
>
>
> Make your own with a shaft, a bearing, and this little wonder:
>
> http://www.electropages.com/viewArticle.aspx?intArticle=12952
>
> AS5035 IC
>
> Its available from Farnell but their web-site seems to be up the pictures at the
> mo.
>

Hi valleyjinker,

An interesting little IC :-)

A good spindle and bush assembly that is ripe for modification would be that used with tuning cord drives on the old Jackson capacitors. They are still available form here:

http://www.mainlinegroup.co.uk/jacksonbrothers/4589.htm

I am pleased to see that Jackson capacitors and epicyclic reduction drives are still being manufactured and sold by the mainline Group.

Fraser

68. Re: Encoder for Lowe receivers

Yahoo group: Lowe_Receivers
Date: 2009-05-12 20:16:29 UTC
From: valleyjinker
Topic: 66 Message: 68

> A good spindle and bush assembly that is ripe for modification would be that used with tuning cord drives on the old Jackson capacitors. They are still available form here:
>
> http://www.mainlinegroup.co.uk/jacksonbrothers/4589.htm
>
> I am pleased to see that Jackson capacitors and epicyclic reduction drives are still being manufactured and sold by the mainline Group.
>
> Fraser

Yes, spindles would be very handy, but with 64 pulses per rev, the chip would not need a reduction drive. I think 64 vs 50 would make the tuning rate a tad better (smidgeon<tad<dab).

So if one had an unrecoverable/uncleanable track in the standard encoder, but it was mechanically OK, then it might be possble to pull of all the gubbins behind the shaft bearing and attach a tiny bar magnet plus chip.

69. Re: Encoder for Lowe receivers

Yahoo group: Lowe_Receivers
Date: 2009-05-12 21:26:06 UTC
From: Fraser
Topic: 66 Message: 69

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <ant@...> wrote:
>
SNIP
>
> Yes, spindles would be very handy, but with 64 pulses per rev, the chip would not need a reduction drive. I think 64 vs 50 would make the tuning rate a tad better (smidgeon<tad<dab).
>
> So if one had an unrecoverable/uncleanable track in the standard encoder, but it was mechanically OK, then it might be possble to pull of all the gubbins behind the shaft bearing and attach a tiny bar magnet plus chip.
>

Hi valleyjinker,

Sorry I mislead you... my comment regarding the epicyclic reduction drive was an aside and was really just me reminiscing :-) The link I provided is for a straight shaft with brass bearing and retaining nut. I must say I think your suggestion of reusing the remnants of the orignal encoder is better though. It would certainly make an interesting little experiment. I may have to add that chip and the is experiment to my "to do" list. That list just keeps getting longer ;-)

Fraser

70. back panel for the 150

Yahoo group: Lowe_Receivers
Date: 2009-05-14 06:11:03 UTC
From: mikemaghakian
Topic: 70 Message: 70

anyone have a back panel in good or better condition for sale ?

Mike

71. Re: back panel for the 150

Yahoo group: Lowe_Receivers
Date: 2009-05-15 08:54:02 UTC
From: valleyjinker
Topic: 70 Message: 71

```
--- In Lowe_Receivers@yahoogroups.com, "mikemaghakian" <mikemaghakian@...> wrote:
>
> anyone have a back panel in good or better condition for sale ?
>
> Mike
```

Aren't they available frm Lowe?

72. Re: back panel for the 150

Yahoo group: Lowe_Receivers
Date: 2009-05-15 18:57:11 UTC
From: mikemaghakian
Topic: 70 Message: 72

last I remember they won't ship to the USA

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <ant@...> wrote:
>
> --- In Lowe_Receivers@yahoogroups.com, "mikemaghakian" <mikemaghakian@> wrote:
> >
> > anyone have a back panel in good or better condition for sale ?
> >
> > Mike
>
>
> Aren't they available frm Lowe?
>

73. HF-250 improvements over HF-225 - 1st Mixer

Yahoo group: Lowe_Receivers
Date: 2009-05-25 20:47:38 UTC
From: Fraser
Topic: 73 Message: 73

In the past there has been some discussion on the differences between the main board on the HF-250 and that of the HF-225 receiver on which it was based. There was a suggestion of performance improving OEM modifications.

To date the differences appeared to be quite minor. One difference in the schematics was the output circuit around the second Sl6440 mixer (Q2). A suggested modification to the circuit around the first mixer (Q1) had never been proven by me as my HF-250's were no different to the HF-225 in this area.

I have just started a repair of an HF-250E and immediately noticed a modification present on the output of the 1st mixer SL6440 (Q1). The output centre tapped inductor Q3 has been converted into a transformer by adding a secondary winding. This secondary winding drives the 45 MHz IF filters X1A/B. The transformer method of driving the following stages is documented in the SL6440 data sheet and is stated as being the best performing design for this IC. Other components have been removed... namely R15, R16, C42 and D14. Zener diode D14 used to be in series with R17 in the supply rail of Q1. The feed to D14 was taken from the B+ rail. R17 is changed in value (value tbc) and is now connected directly to the 8V regulated rail instead of the unregulated B+. There is also an additional resistor and capacitor... these are in the Q3 secondary winding circuit.

A 470uH inductor has also been inserted in the B+ supply rail feed to the control PCB. This may be to reduce supply rail RFI passing from the control PCB to the sensitive main pcb.

It is assumed that these changes have been made by Lowe to improve the performance of the 1st Mixer stage.

Full details of this official modification to the HF-250E receiver will be documented in due course. The document will be made available in this groups file area when complete.

Fraser

74. Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-08-10 13:54:35 UTC
From: Fraser
Topic: 74 Message: 74

Dear All,

It is with some sadness that I must withdraw my free Lowe repair service in the UK.

This decision was not taken lightly, but a combination of work and home commitments have made it difficult to allocate adequate time for these receiver repairs.

It has been a pleasure to repair and align so many Lowe receivers over the past few years but that era is now at an end.

I will still offer assistance and parts to Lowe owners via this group.

To those who have recently enquired about alignment and repair of their receivers, you have my sympathy but an alternate repair resource will need to be identified.

Regards

Fraser
Castle Communications

75. Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-08-10 14:47:43 UTC
From: Biton Walstra
Topic: 74 Message: 75

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...> wrote:
>
> Dear All,
>
> It is with some sadness that I must withdraw my free Lowe repair service in the UK.
>
> This decision was not taken lightly, but a combination of work and home commitments have made it difficult to allocate adequate time for these receiver repairs.
>
> It has been a pleasure to repair and align so many Lowe receivers over the past few years but that era is now at an end.
>
> I will still offer assistance and parts to Lowe owners via this group.
>
> To those who have recently enquired about alignment and repair of their receivers, you have my sympathy but an alternate repair resource will need to be identified.
>
> Regards
>
> Fraser
> Castle Communications
>

that's a pity as i just bought my hf-150 and it's always handy to know some one who can repair them.

hope you wull stay standby with advise on this lowe group.

kind regards,
bitman

76. Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-08-12 18:20:22 UTC
From: valleyjinker
Topic: 74 Message: 76

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...> wrote:
>
> Dear All,
>
> It is with some sadness that I must withdraw my free Lowe repair service in the UK.
.....

> Fraser
> Castle Communications

Castle Communications ?

PLEASE elucidate! (I love that word)

77. Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-08-12 21:55:27 UTC
From: Fraser
Topic: 74 Message: 77

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <ant@...> wrote:
>
> --- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@> wrote:
> >
> > Dear All,
> >
> > It is with some sadness that I must withdraw my free Lowe repair service in the UK.
.....
>
> > Fraser
> > Castle Communications
>
>
>
> Castle Communications ?
>
>
> PLEASE elucidate! (I love that word)

Nothing exciting I'm affraid. I repair equipment under "Castle Communications" as some of my clients and suppliers require it for accounts purposes ;-)

F.

78. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-08-14 10:38:25 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 78

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /HF-250/HF-250 Baud rate change.txt
Uploaded by : frasercastle <fraser.castle@...>
Description : HF-250 Baud rate change method

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/HF-250/HF-250%20Baud%20rate%20change.tx
t

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>

79. Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-08-16 22:45:01 UTC
From: jmblack42
Topic: 74 Message: 79

Fraser; Perhaps you could point me in the right direction regarding a fault in my HF-150. It will not switch from the narrow to the wide filter in AM mode, that is, switching between "An" and "A" does nothing but leave the radio in narrow mode.
Oddly enough, the filters do switch properly in the other modes, and I can watch the bias voltage change on the two filters as I toggle between the various modes. It's as if the CPU has forgotten this one command!
Any thoughts?

Thanks,

John

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...> wrote:
>
> Dear All,
>
> It is with some sadness that I must withdraw my free Lowe repair service in the UK.
>
> This decision was not taken lightly, but a combination of work and home commitments have made it difficult to allocate adequate time for these receiver repairs.
>
> It has been a pleasure to repair and align so many Lowe receivers over the past few years but that era is now at an end.
>
> I will still offer assistance and parts to Lowe owners via this group.
>
> To those who have recently enquired about alignment and repair of their receivers, you have my sympathy but an alternate repair resource will need to be identified.
>
> Regards
>
> Fraser
> Castle Communications
>

80. HF-225

Yahoo group: Lowe_Receivers
Date: 2009-08-18 19:01:04 UTC
From: rockysfree2001
Topic: 80 Message: 80

Hi

I just acquired a HF-225. It does not retain memory. It turns on 0.30. The manual refers to a internal lithium battery. I cannot find it in the radio, the users or service manual. Has anyone in the group ever changed one on this model? thanks Dan

81. RE: [Lowe_Receivers] HF-225

Yahoo group: Lowe_Receivers
Date: 2009-08-19 03:56:37 UTC
From: rallen
Topic: 80 Message: 81

Dan,

I have not changed one out, but I may, maybe, recall seeing one in there. If it is there it's probably just one of those 3 volt disk batteries you can buy at your local drugstore in a spring loaded holder. My advice would be to unscrew the cover, remove it gently (because there will be 2 wires from the speaker to the board, and see if you can see about a 1" silver disk battery visually.

Robert

-----Original Message-----
From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of rockysfree2001
Sent: Tuesday, August 18, 2009 12:01 PM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-225

Hi

I just acquired a HF-225. It does not retain memory. It turns on 0.30. The manual refers to a internal lithium battery. I cannot find it in the radio, the users or service manual. Has anyone in the group ever changed one on this model? thanks Dan

---

Yahoo! Groups Links

_____ Information from ESET NOD32 Antivirus, version of virus signature database 4346 (20090818) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

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The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

82. Re: [Lowe_Receivers] HF-225

Yahoo group: Lowe_Receivers
Date: 2009-08-19 11:03:53 UTC
From: Dan Cotsirilos
Topic: 80 Message: 82

Robert I looked at every square inch in that radio and cannot find one? The only place I cannot look clear is the front display which is blocked by the front panel. Very strange it is not listed in the service manual?

Dan K9DTC

----- Original Message -----
From: rallen
To: Lowe_Receivers@yahoogroups.com
Sent: Tuesday, August 18, 2009 10:56 PM
Subject: RE: [Lowe_Receivers] HF-225

Dan,

I have not changed one out, but I may, maybe, recall seeing one in there. If it is there it's probably just one of those 3 volt disk batteries you can buy at your local drugstore in a spring loaded holder. My advice would be to unscrew the cover, remove it gently (because there will be 2 wires from the speaker to the board, and see if you can see about a 1" silver disk battery visually.

Robert

-----Original Message-----
From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of rockysfree2001
Sent: Tuesday, August 18, 2009 12:01 PM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-225

Hi

I just acquired a HF-225. It does not retain memory. It turns on 0.30. The manual refers to a internal lithium battery. I cannot find it in the radio, the users or service manual. Has anyone in the group ever changed one on this model? thanks Dan

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Yahoo! Groups Links

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The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

83. Re: [Lowe_Receivers] HF-225

Yahoo group: Lowe_Receivers
Date: 2009-08-19 14:27:45 UTC
From: crabtreejr@aol.com
Topic: 80 Message: 83

Hello Dan

The battery is used to back up the CMOS RAM (Q4 on the control board). Following the +5V connection via D2 will take you to the BUP connection on the connector to the Main Board. Looking at the Main board schematic, you will find the back-up battery, B1, just to the right of the connector.

You will find B1 listed on the parts list (page 34 of the service manual) for the Main Board. It is a 3V 300mAh lithium cell.

You will find B1 shown on the layout for the main board. It is in the lower right hand corner, just to the right of C116. The layout would suggest, as Bob surmised (see email below), that it is a disk, and it is mounted on its edge.

The 5101 memory chip is very static sensitive. I do not recall if there are any special precautions to be observed when changing the battery. There may have been some discussion of this in the original [lowe_hfreceivers] group.

HTH and 73

John KC0G

In a message dated 8/19/2009 6:09:47 AM Central Daylight Time,
dcsfree@... writes:
> Robert I looked at every square inch in that radio and cannot find one?
> The only place I cannot look clear is the front display which is blocked by
> the front panel. Very strange it is not listed in the service manual?
>
> Dan K9DTC
>
>
> >> ----- Original Message -----
>> From: rallen
>> To: Lowe_Receivers@yahoogroups.com
>> Sent: Tuesday, August 18, 2009 10:56 PM
>> Subject: RE: [Lowe_Receivers] HF-225
>>
>>
>> Dan,
>>
>> I have not changed one out, but I may, maybe, recall seeing one in there.
>> If it is there it's probably just one of those 3 volt disk batteries you
>> can
>> buy at your local drugstore in a spring loaded holder. My advice would be
>> to unscrew the cover, remove it gently (because there will be 2 wires

>> from
>> the speaker to the board, and see if you can see about a 1" silver disk
>> battery visually.
>>
>> Robert
>>
>> -----Original Message-----
>> From: Lowe_Receivers@yahoogroups.com [mailto:
>> Lowe_Receivers@yahoogroups.com]
>> On Behalf Of rockysfree2001
>> Sent: Tuesday, August 18, 2009 12:01 PM
>> To: Lowe_Receivers@yahoogroups.com
>> Subject: [Lowe_Receivers] HF-225
>>
>> Hi
>>
>> I just acquired a HF-225. It does not retain memory. It turns on 0.30.
>> The
>> manual refers to a internal lithium battery. I cannot find it in the
>> radio,
>> the users or service manual. Has anyone in the group ever changed one on
>> this model? thanks Dan
>>
>>
>>
>

84. Re: [Lowe_Receivers] HF-225

Yahoo group: Lowe_Receivers
Date: 2009-08-19 14:47:50 UTC
From: Dan Cotsirilos
Topic: 80 Message: 84

The reason I could not find it is because the entire holder was removed.

Dan K9DTC

----- Original Message -----
From: crabtreejr@...
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 9:27 AM
Subject: Re: [Lowe_Receivers] HF-225

Hello Dan

The battery is used to back up the CMOS RAM (Q4 on the control board). Following the +5V connection via D2 will take you to the BUP connection on the connector to the Main Board. Looking at the Main board schematic, you will find the back-up battery, B1, just to the right of the connector.

You will find B1 listed on the parts list (page 34 of the service manual) for the Main Board. It is a 3V 300mAh lithium cell.

You will find B1 shown on the layout for the main board. It is in the lower right hand corner, just to the right of C116. The layout would suggest, as Bob surmised (see email below), that it is a disk, and it is mounted on its edge.

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HTH and 73

John KC0G

In a message dated 8/19/2009 6:09:47 AM Central Daylight Time, dcsfree@... writes:

Robert I looked at every square inch in that radio and cannot find one? The only place I cannot look clear is the front display which is blocked by the front panel. Very strange it is not listed in the service manual?

Dan K9DTC

----- Original Message -----
From: rallen
To: Lowe_Receivers@yahoogroups.com
Sent: Tuesday, August 18, 2009 10:56 PM
Subject: RE: [Lowe_Receivers] HF-225

Dan,

I have not changed one out, but I may, maybe, recall seeing one in there. If it is there it's probably just one of those 3 volt disk batteries you can buy at your local drugstore in a spring loaded holder. My advice would be to unscrew the cover, remove it gently (because there will be 2 wires from the speaker to the board, and see if you can see about a 1" silver disk battery visually.

Robert

-----Original Message-----
From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of rockysfree2001
Sent: Tuesday, August 18, 2009 12:01 PM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-225

Hi

I just acquired a HF-225. It does not retain memory. It turns on 0.30. The manual refers to a internal lithium battery. I cannot find it in the radio, the users or service manual. Has anyone in the group ever changed one on this model? thanks Dan

85. Re: [Lowe_Receivers] HF-225

Yahoo group: Lowe_Receivers
Date: 2009-08-19 14:50:50 UTC
From: Tracey Gardner
Topic: 80 Message: 85

Hello Dan

There isn't a holder as such, the battery has solder tags on it.
I'd just taken a picture of the inside of my 225 for you, but John beat me to it :-)

Tracey
----- Original Message -----
From: Dan Cotsirilos
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 3:47 PM
Subject: Re: [Lowe_Receivers] HF-225

The reason I could not find it is because the entire holder was removed.

Dan K9DTC

----- Original Message -----
From: crabtreejr@...
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 9:27 AM
Subject: Re: [Lowe_Receivers] HF-225

Hello Dan

The battery is used to back up the CMOS RAM (Q4 on the control board). Following the +5V connection via D2 will take you to the BUP connection on the connector to the Main Board. Looking at the Main board schematic, you will find the back-up battery, B1, just to the right of the connector.

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You will find B1 shown on the layout for the main board. It is in the lower right hand corner, just to the right of C116. The layout would suggest, as Bob surmised (see email below), that it is a disk, and it is mounted on its edge.

The 5101 memory chip is very static sensitive. I do not recall if there are any special precautions to be observed when changing the battery. There may have been some discussion of this in the original [lowe_hfreceivers] group.

HTH and 73

John KC0G

In a message dated 8/19/2009 6:09:47 AM Central Daylight Time, dcsfree@... writes:

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is not listed in the service manual?

Dan K9DTC

----- Original Message -----
From: rallen
To: Lowe_Receivers@yahoogroups.com
Sent: Tuesday, August 18, 2009 10:56 PM
Subject: RE: [Lowe_Receivers] HF-225

Dan,

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Robert

-----Original Message-----
From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of rockysfree2001
Sent: Tuesday, August 18, 2009 12:01 PM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-225

Hi

I just acquired a HF-225. It does not retain memory. It turns on 0.30. The manual refers to a internal lithium battery. I cannot find it in the radio, the users or service manual. Has anyone in the group ever changed one on this model? thanks Dan

86. Re: [Lowe_Receivers] HF-225

Yahoo group: Lowe_Receivers
Date: 2009-08-19 14:54:34 UTC
From: Dan Cotsirilos
Topic: 80 Message: 86

Tracey where is the picture?

Dan K9DTC

----- Original Message -----
From: Tracey Gardner
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 9:50 AM
Subject: Re: [Lowe_Receivers] HF-225

Hello Dan

There isn't a holder as such, the battery has solder tags on it.
I'd just taken a picture of the inside of my 225 for you, but John beat me to it :-)

Tracey
----- Original Message -----
From: Dan Cotsirilos
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 3:47 PM
Subject: Re: [Lowe_Receivers] HF-225

The reason I could not find it is because the entire holder was removed.

Dan K9DTC

----- Original Message -----
From: crabtreejr@aol.com
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 9:27 AM
Subject: Re: [Lowe_Receivers] HF-225

Hello Dan

The battery is used to back up the CMOS RAM (Q4 on the control board). Following the +5V connection via D2 will take you to the BUP connection on the connector to the Main Board. Looking at the Main board schematic, you will find the back-up battery, B1, just to the right of the connector.

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The 5101 memory chip is very static sensitive. I do not recall if there are any special precautions to be observed when changing the battery. There may have been some discussion

of this in the original [lowe_hfreceivers] group.

HTH and 73

John KC0G

In a message dated 8/19/2009 6:09:47 AM Central Daylight Time, dcsfree@comcast.net writes:

Robert I looked at every square inch in that radio and cannot find one? The only place I cannot look clear is the front display which is blocked by the front panel. Very strange it is not listed in the service manual?

Dan K9DTC

----- Original Message -----
From: rallen
To: Lowe_Receivers@yahoogroups.com
Sent: Tuesday, August 18, 2009 10:56 PM
Subject: RE: [Lowe_Receivers] HF-225

Dan,

I have not changed one out, but I may, maybe, recall seeing one in there. If it is there it's probably just one of those 3 volt disk batteries you can buy at your local drugstore in a spring loaded holder. My advice would be to unscrew the cover, remove it gently (because there will be 2 wires from the speaker to the board, and see if you can see about a 1" silver disk battery visually.

Robert

-----Original Message-----
From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of rockysfree2001
Sent: Tuesday, August 18, 2009 12:01 PM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-225

Hi

I just acquired a HF-225. It does not retain memory. It turns on 0.30. The manual refers to a internal lithium battery. I cannot find it in the radio, the users or service manual. Has anyone in the group ever changed one on this model? thanks Dan

87. Re: [Lowe_Receivers] HF-225

Yahoo group: Lowe_Receivers
Date: 2009-08-19 16:34:39 UTC
From: Tracey Gardner
Topic: 80 Message: 87

Hello Dan

I have just up loaded two pictures into the HF-225 Internal Views file.

73s Tracey

----- Original Message -----
From: Dan Cotsirilos
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 3:54 PM
Subject: Re: [Lowe_Receivers] HF-225

Tracey where is the picture?

Dan K9DTC

----- Original Message -----
From: Tracey Gardner
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 9:50 AM
Subject: Re: [Lowe_Receivers] HF-225

Hello Dan

There isn't a holder as such, the battery has solder tags on it.
I'd just taken a picture of the inside of my 225 for you, but John beat me to it :-)

Tracey
----- Original Message -----
From: Dan Cotsirilos
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 3:47 PM
Subject: Re: [Lowe_Receivers] HF-225

The reason I could not find it is because the entire holder was removed.

Dan K9DTC

----- Original Message -----
From: crabtreejr@...
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 9:27 AM
Subject: Re: [Lowe_Receivers] HF-225

Hello Dan

The battery is used to back up the CMOS RAM (Q4 on the control board). Following the +5V connection via D2 will take you to the BUP connection on the connector to the Main Board.

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The 5101 memory chip is very static sensitive. I do not recall if there are any special precautions to be observed when changing the battery. There may have been some discussion of this in the original [lowe_hfreceivers] group.

HTH and 73

John KC0G

In a message dated 8/19/2009 6:09:47 AM Central Daylight Time, dcsfree@... writes:

Robert I looked at every square inch in that radio and cannot find one? The only place I cannot look clear is the front display which is blocked by the front panel. Very strange it is not listed in the service manual?

Dan K9DTC

----- Original Message -----
From: rallen
To: Lowe_Receivers@yahoogroups.com
Sent: Tuesday, August 18, 2009 10:56 PM
Subject: RE: [Lowe_Receivers] HF-225

Dan,

I have not changed one out, but I may, maybe, recall seeing one in there. If it is there it's probably just one of those 3 volt disk batteries you can buy at your local drugstore in a spring loaded holder. My advice would be to unscrew the cover, remove it gently (because there will be 2 wires from the speaker to the board, and see if you can see about a 1" silver disk battery visually.

Robert

-----Original Message-----
From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of rockysfree2001
Sent: Tuesday, August 18, 2009 12:01 PM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-225

Hi

I just acquired a HF-225. It does not retain memory. It turns on 0.30. The manual refers to a internal lithium battery. I cannot find it in the radio, the users or service manual. Has anyone in the group ever changed one on

this model? thanks Dan

88. Re: [Lowe_Receivers] HF-225

Yahoo group: Lowe_Receivers
Date: 2009-08-19 18:41:52 UTC
From: Dan Cotsirilos
Topic: 80 Message: 88

Hello Tracey

The battery is installed and working. thanks to all to answered.

Dan K9DTC

----- Original Message -----
From: Tracey Gardner
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 11:34 AM
Subject: Re: [Lowe_Receivers] HF-225

Hello Dan

I have just up loaded two pictures into the HF-225 Internal Views file.

73s Tracey

----- Original Message -----
From: Dan Cotsirilos
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 3:54 PM
Subject: Re: [Lowe_Receivers] HF-225

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Dan K9DTC

----- Original Message -----
From: Tracey Gardner
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 9:50 AM
Subject: Re: [Lowe_Receivers] HF-225

Hello Dan

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From: Dan Cotsirilos
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, August 19, 2009 3:47 PM
Subject: Re: [Lowe_Receivers] HF-225

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----- Original Message -----
From: crabtreejr@...
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Sent: Wednesday, August 19, 2009 9:27 AM
Subject: Re: [Lowe_Receivers] HF-225

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HTH and 73

John KC0G

In a message dated 8/19/2009 6:09:47 AM Central Daylight Time, dcsfree@... writes:

Robert I looked at every square inch in that radio and cannot find one? The only place I cannot look clear is the front display which is blocked by the front panel. Very strange it is not listed in the service manual?

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To: Lowe_Receivers@yahoogroups.com
Sent: Tuesday, August 18, 2009 10:56 PM
Subject: RE: [Lowe_Receivers] HF-225

Dan,

I have not changed one out, but I may, maybe, recall seeing one in there.
If it is there it's probably just one of those 3 volt disk batteries you can
buy at your local drugstore in a spring loaded holder. My advice would be
to unscrew the cover, remove it gently (because there will be 2 wires from
the speaker to the board, and see if you can see about a 1" silver disk
battery visually.

Robert

-----Original Message-----
From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]

On Behalf Of rockysfree2001
Sent: Tuesday, August 18, 2009 12:01 PM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-225

Hi

I just acquired a HF-225. It does not retain memory. It turns on 0.30. The manual refers to a internal lithium battery. I cannot find it in the radio, the users or service manual. Has anyone in the group ever changed one on this model? thanks Dan

89. Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-08-26 20:05:26 UTC
From: ianmotty
Topic: 74 Message: 89

I for one would like to thank Fraser for all the effort he has put in to helping Lowe RX owners and for the assistance he has offered me in the past, including a repair that I would never have sorted on my own.
It's chaps like Fraser that make this a great hobby to be involved in.

Regards
Ian MW0IAN

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...> wrote:
>
> Dear All,
>
> It is with some sadness that I must withdraw my free Lowe repair service in the UK.
>
> This decision was not taken lightly, but a combination of work and home commitments have made it difficult to allocate adequate time for these receiver repairs.
>
> It has been a pleasure to repair and align so many Lowe receivers over the past few years but that era is now at an end.
>
> I will still offer assistance and parts to Lowe owners via this group.
>
> To those who have recently enquired about alignment and repair of their receivers, you have my sympathy but an alternate repair resource will need to be identified.
>
> Regards
>
> Fraser
> Castle Communications
>

90. Re: [Lowe_Receivers] Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-08-27 01:51:02 UTC
From: Jim in Rock Village
Topic: 74 Message: 90

Amen! Fraser is a true gentleman.

monty

----- Original Message -----
From: ianmotty<mailto:idmottishaw@...>
To: Lowe_Receivers@yahoogroups.com<mailto:Lowe_Receivers@yahoogroups.com>
Sent: Wednesday, August 26, 2009 4:05 PM
Subject: [Lowe_Receivers] Re: Lowe Receiver Repairs

I for one would like to thank Fraser for all the effort he has put in to helping Lowe RX owners and for the assistance he has offered me in the past, including a repair that I would never have sorted on my own.
It's chaps like Fraser that make this a great hobby to be involved in.

Regards
Ian MW0IAN

--- In Lowe_Receivers@yahoogroups.com<mailto:Lowe_Receivers%40yahoogroups.com>, "Fraser" <fraser.castle@...> wrote:
>
> Dear All,
>
> It is with some sadness that I must withdraw my free Lowe repair service in the UK.
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> This decision was not taken lightly, but a combination of work and home commitments have made it difficult to allocate adequate time for these receiver repairs.
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> Regards
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> Fraser
> Castle Communications
>

91. Re: [Lowe_Receivers] Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-08-28 12:57:19 UTC
From: Fraser Castle
Topic: 74 Message: 91

Hi John,

I have just returned from 2 weeks holiday so sorry for the delay in responding. I will think about your situation and respond shortly.

If the microprocessor is at fault (an unusual but not impossible scenario) I do have programmed spares so have no fear. Where are you located in the world ?

Kind regards

Fraser

----- Original Message -----
From: jmblack42
To: Lowe_Receivers@yahoogroups.com
Sent: Sunday, August 16, 2009 11:45 PM
Subject: [Lowe_Receivers] Re: Lowe Receiver Repairs

Fraser; Perhaps you could point me in the right direction regarding a fault in my HF-150. It will not switch from the narrow to the wide filter in AM mode, that is, switching between "An" and "A" does nothing but leave the radio in narrow mode.
Oddly enough, the filters do switch properly in the other modes, and I can watch the bias voltage change on the two filters as I toggle between the various modes. It's as if the CPU has forgotten this one command!
Any thoughts?

Thanks,

John

--- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@...> wrote:
>
> Dear All,
>
> It is with some sadness that I must withdraw my free Lowe repair service in the UK.
>
> This decision was not taken lightly, but a combination of work and home commitments have made it difficult to allocate adequate time for these receiver repairs.
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> Regards
>
> Fraser
> Castle Communications
>

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 8.5.409 / Virus Database: 270.13.71/2331 - Release Date: 08/28/09 06:26:00

92. Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-08-28 23:32:38 UTC
From: frasercastle
Topic: 74 Message: 92

John,

I have taken a quick look at the schematic for the HF-150 and have the following comment.

1. It is unlikely that the microprocessor has a selective fault that means it has 'forgotten' about the 7kHz AM filter mode. An output can fail but the program would not corrupt without causing other issues to occur.

2. From what you have said, the correct filter selection voltages are presented at the PIN switching diodes. The 7kHz filter is only selected in the following modes: A, ASd and ASF. All other modes use the 2.5 KHz filter. Are you certain that all is behaving normally in ASd and ASF modes ?

3. I have a suspiscion that the 2.5 KHz filter is permanently 'in-circuit' and negating the effect of the 7kHz filter when it is selected by the micro. Filter X5(2.5kHz) is brought into the IF path by D25 and D26. The bias on the diodes comes from Q26 pin 10. You need to be check that the bias changes on the diodes when switching between A and An. If the bias voltage does change correctly you may have a pair of leaky PIN diodes in positions D25/D26. This can be proven by lifting one end of D25. If D25 is leaky, the AM wide filter should now be working OK. If the voltage on the pin diodes does not change, check Q26 Pin 10 and pins 8/9 for a change of state. If you have no change of state at Q26 Pins 8/9, check Q1 pin 20 for a change of state. If no change is seen try switching between USB and ASd.....does a change occur ? If not, the micro may have lost an output transistor at pin 20 and requires replacement.

Let me know the results of your checks. You need to be absolutely certain what voltage changes, if any, occur in each and every mode. PIN diodes are known to fail leaky and you need to be certain that this or Q26 failure is not confusing the issue.

Fraser

--- In Lowe_Receivers@yahoogroups.com, "Fraser Castle" <fraser.castle@...> wrote:
>
> Hi John,
>
> I have just returned from 2 weeks holiday so sorry for the delay in responding. I will think about your situation and respond shortly.
>
> If the microprocessor is at fault (an unusual but not impossible scenario) I do have programmed spares so have no fear. Where are you located in the world ?
>
> Kind regards
>
> Fraser
>
> ----- Original Message -----
> From: jmblack42

> To: Lowe_Receivers@yahoogroups.com
> Sent: Sunday, August 16, 2009 11:45 PM
> Subject: [Lowe_Receivers] Re: Lowe Receiver Repairs
>
>
>
> Fraser; Perhaps you could point me in the right direction regarding a fault in my HF-150. It will not switch from the narrow to the wide filter in AM mode, that is, switching between "An" and "A" does nothing but leave the radio in narrow mode.
> Oddly enough, the filters do switch properly in the other modes, and I can watch the bias voltage change on the two filters as I toggle between the various modes. It's as if the CPU has forgotten this one command!
> Any thoughts?
>
> Thanks,
>
> John
>
> --- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@> wrote:
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>

93. Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-09-15 04:15:50 UTC
From: jmblack42
Topic: 74 Message: 93

Hi, Fraser. Thanks for your reply. I had gotten busy with other things so didn't check in for a while.

I have not fired up the HF150 in a bit, but I have just done so briefly and here's what I see. A and An are identical, and narrow.
ASU and ASL seem a bit wider sounding, ASD sounds narrow, and ASF sounds wide. I would take the sound of ASU and ASL to be an IF shift anyway, but ASF definitely is hi-fi compared to everything else.

I will go into the radio tomorrow and try your suggestions.

This unit looks to be in good shape, but has given me problems. When I got it, it wouldn't do much. I found the whip amp was blown and fixed that. That revealed the fact that the radio would not receive anything for up to 30 seconds after power-up. After freezing everything I could, I decided that the PLL was bad and scoured the earth for another. I found one and put it in, and of course it didn't fix anything. Finally realized that it was one lousy resistor right next to the PLL that had a thermal fault. Replacing that fixed the radio. Now I have this bandwidth problem, and also the set seems to come on with a wide open AGC that corrects itself after one or two seconds. That's not normal, is it?

John

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
> John,
>
> I have taken a quick look at the schematic for the HF-150 and have the following comment.
>
> 1. It is unlikely that the microprocessor has a selective fault that means it has 'forgotten' about the 7kHz AM filter mode. An output can fail but the program would not corrupt without causing other issues to occur.
>
> 2. From what you have said, the correct filter selection voltages are presented at the PIN switching diodes. The 7kHz filter is only selected in the following modes: A, ASd and ASF. All other modes use the 2.5 KHz filter. Are you certain that all is behaving normally in ASd and ASF modes ?
>
> 3. I have a suspiscion that the 2.5 KHz filter is permanently 'in-circuit' and negating the effect of the 7kHz filter when it is selected by the micro. Filter X5(2.5kHz) is brought into the IF path by D25 and D26. The bias on the diodes comes from Q26 pin 10. You need to be check that the bias changes on the diodes when switching between A and An. If the bias voltage does change correctly you may have a pair of leaky PIN diodes in positions D25/D26. This can be proven by lifting one end of D25. If D25 is leaky, the AM wide filter should now be working OK. If the voltage on the pin diodes does not change, check Q26 Pin 10 and pins 8/9 for a change of state. If you have no change of state at Q26 Pins 8/9, check Q1 pin 20 for a change of state. If no change is seen try switching between USB and

ASd.....does a change occur ? If not, the micro may have lost an output transistor at pin 20 and requires replacement.
>
> Let me know the results of your checks. You need to be absolutely certain what voltage changes, if any, occur in each and every mode. PIN diodes are known to fail leaky and you need to be certain that this or Q26 failure is not confusing the issue.
>
> Fraser
>
>
> --- In Lowe_Receivers@yahoogroups.com, "Fraser Castle" <fraser.castle@> wrote:
> >
> > Hi John,
> >
> > I have just returned from 2 weeks holiday so sorry for the delay in responding. I will think about your situation and respond shortly.
> >
> > If the microprocessor is at fault (an unusual but not impossible scenario) I do have programmed spares so have no fear. Where are you located in the world ?
> >
> > Kind regards
> >
> > Fraser
> >
> > ----- Original Message -----
> > From: jmblack42
> > To: Lowe_Receivers@yahoogroups.com
> > Sent: Sunday, August 16, 2009 11:45 PM
> > Subject: [Lowe_Receivers] Re: Lowe Receiver Repairs
> >
> >
> >
> > Fraser; Perhaps you could point me in the right direction regarding a fault in my HF-150. It will not switch from the narrow to the wide filter in AM mode, that is, switching between "An" and "A" does nothing but leave the radio in narrow mode.
> > Oddly enough, the filters do switch properly in the other modes, and I can watch the bias voltage change on the two filters as I toggle between the various modes. It's as if the CPU has forgotten this one command!
> > Any thoughts?
> >
> > Thanks,
> >
> > John
> >
> > --- In Lowe_Receivers@yahoogroups.com, "Fraser" <fraser.castle@> wrote:
> > >
> > > Dear All,
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> > > It is with some sadness that I must withdraw my free Lowe repair service in the UK.
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94. Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-09-18 18:30:32 UTC
From: frasercastle
Topic: 74 Message: 94

--- In Lowe_Receivers@yahoogroups.com, "jmblack42" <johnmblack@...> wrote:
>
> Hi, Fraser. Thanks for your reply. I had gotten busy with other things so didn't check in for a while.
>
> I have not fired up the HF150 in a bit, but I have just done so briefly and here's what I see. A and An are identical, and narrow.
> ASU and ASL seem a bit wider sounding, ASD sounds narrow, and ASF sounds wide. I would take the sound of ASU and ASL to be an IF shift anyway, but ASF definitely is hi-fi compared to everything else.
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> I will go into the radio tomorrow and try your suggestions.
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> This unit looks to be in good shape, but has given me problems. When I got it, it wouldn't do much. I found the whip amp was blown and fixed that. That revealed the fact that the radio would not receive anything for up to 30 seconds after power-up. After freezing everything I could, I decided that the PLL was bad and scoured the earth for another. I found one and put it in, and of course it didn't fix anything. Finally realized that it was one lousy resistor right next to the PLL that had a thermal fault. Replacing that fixed the radio. Now I have this bandwidth problem, and also the set seems to come on with a wide open AGC that corrects itself after one or two seconds. That's not normal, is it?
>
> John

SNIP

Hi John,

You appear to have been unlucky with your HF-150. The dead J310 FET in the whip aerial amplifier is not that uncommon, I have replaced several. Antenna static discharge appears to be the culprit behind such failures. The faulty resistor is an interesting find. Do you recall it's part no. ? I can confirm that the AGC on your receiver is definitely misbehaving as it's action should be unnoticeable at switch on. I am wondering whether your receiver has been the victim of a significant antenna static discharge event or a lightning near miss. Receivers that I have worked after such an occurance had all manner of unexplainable faults. The microprocessor and IF stage PIN switching diodes could be harmed by such an event. All IC's should be considered suspect until proven otherwise. I have worked on receivers that required several damaged IC's to be replaced before normal operation was possible. Th estsic discharge had either jumped around the PCB of attacked the IC's via the supply rail.

The good news is that most parts are still available as new old stock from either Lowe's workshop or myself. I will happly quote for any parts that you require.

Kind Regards

Fraser

95. Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-09-19 01:11:21 UTC
From: jmblack42
Topic: 74 Message: 95

Thanks, Fraser.

I've been traveling a lot, so this is going to be a "when I get around to it" project. Except for the filter problem, the set works well. I consider the AGC problem more of a minor annoyance than anything else (kinda like the S-meter in the HF225 that slams against the right stop when you first turn it on). If I can get the filters working properly, I think I'll try to move this one on to someone who'd like an HF150 without paying top dollar for it!
Still haven't gotten to open it up and report back to you, but I'll try to get to it this weekend.

john

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
> --- In Lowe_Receivers@yahoogroups.com, "jmblack42" <johnmblack@> wrote:
> >
> > Hi, Fraser. Thanks for your reply. I had gotten busy with other things so didn't check in for a while.
> >
> > I have not fired up the HF150 in a bit, but I have just done so briefly and here's what I see. A and An are identical, and narrow.
> > ASU and ASL seem a bit wider sounding, ASD sounds narrow, and ASF sounds wide. I would take the sound of ASU and ASL to be an IF shift anyway, but ASF definitely is hi-fi compared to everything else.
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> > John
>
> SNIP
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to be the culprit behind such failures. The faulty resistor is an interesting find. Do you recall it's part no. ? I can confirm that the AGC on your receiver is definitely misbehaving as it's action should be unnoticeable at switch on. I am wondering whether your receiver has been the victim of a significant antenna static discharge event or a lightning near miss. Receivers that I have worked after such an occurance had all manner of unexplainable faults. The microprocessor and IF stage PIN switching diodes could be harmed by such an event. All IC's should be considered suspect until proven otherwise. I have worked on receivers that required several damaged IC's to be replaced before normal operation was possible. Th estsic discharge had either jumped around the PCB of attacked the IC's via the supply rail.
>
> The good news is that most parts are still available as new old stock from either Lowe's workshop or myself. I will happly quote for any parts that you require.
>
> Kind Regards
>
> Fraser
>

96. Lowe hf-150-preselector

Yahoo group: Lowe_Receivers
Date: 2009-09-28 16:55:43 UTC
From: univisionesp
Topic: 96 Message: 96

Hello group

I would be interested in purchasing a Lowe HF-150 receiver with its preselector, in good shape.

Just mail me. univisionesp@...

Thank you very much.

97. HF-225 with no audio

Yahoo group: Lowe_Receivers
Date: 2009-10-04 11:54:40 UTC
From: DanielD
Topic: 97 Message: 97

Hello all,

After not using my HF-225 for 6-9 months I wanted to use it again, but unfortunately it did not work anymore.
Everything turns on well and seems to work well, just there is no audio anymore. Well, not exactly, there is very little audio, when I change the radio to AMS, but its very very low. Also turning the volume does not change the volume. I did some basic checks, checked all voltages, the 8 and 5 volts seem to come out well after the voltage regulators.

Is there any "standard" failure that can cause this?

Thanks in advance,
Daniel de AF6FZ

98. Re: HF-225 with no audio

Yahoo group: Lowe_Receivers
Date: 2009-10-04 17:01:18 UTC
From: frasercastle
Topic: 97 Message: 98

--- In Lowe_Receivers@yahoogroups.com, "DanielD" <daniel.dibbets@...> wrote:
>
> Hello all,
>
> After not using my HF-225 for 6-9 months I wanted to use it again, but unfortunately it did not work anymore.
> Everything turns on well and seems to work well, just there is no audio anymore. Well, not exactly, there is very little audio, when I change the radio to AMS, but its very very low. Also turning the volume does not change the volume. I did some basic checks, checked all voltages, the 8 and 5 volts seem to come out well after the voltage regulators.
>
> Is there any "standard" failure that can cause this?
>
> Thanks in advance,
> Daniel de AF6FZ
>

Daniel,

Please take a look at te database of known faults and see if that provides any help.

It sounds like your receivers audio stage is in the muted state. This can be caused by an out of lock Phase Locked Loop.

Buy the service manual from Lowe's workshop if you do not already have it.
Check for audio at the line out socket (you will need an amplifier).
Check the tuning range of your receiver to see if it works in some parts of it's coverage and not others. i.e OK above 26Mhz but muted at 5 MHz. If you have this type of fault suspect D1 or another of teh PIN diodes in the Band Pass Filters of VCO switching.
This shouldn't be that difficult a fault to find.

Regards

Fraser

99. Am sync detector board D225>>D250

Yahoo group: Lowe_Receivers
Date: 2009-10-06 14:47:48 UTC
From: sailor105@hotmail.com
Topic: 99 Message: 99

Hi All,

I have an odd question:

Some time ago I converted a D250 AM sync board into a D225 sync board.
I recently obtained a HF250 so I want to convert the AM sync board back to the D250 version. But, you guessed, I lost the modification sheet....

A few questions:
-Whos has this information at hand?
-What was the part (transistor?) just underneath the location of D5?

There are only a few parts difference.
Help, highly appreciated!

73'
Paul
PD0PSB

100. Re: Am sync detector board D225>>D250

Yahoo group: Lowe_Receivers
Date: 2009-10-06 15:46:16 UTC
From: frasercastle
Topic: 99 Message: 100

--- In Lowe_Receivers@yahoogroups.com, sailor105@... wrote:
>
> Hi All,
>
> I have an odd question:
>
> Some time ago I converted a D250 AM sync board into a D225 sync board.
> I recently obtained a HF250 so I want to convert the AM sync board back to the D250 version. But, you guessed, I lost the modification sheet....
>
> A few questions:
> -Whos has this information at hand?
> -What was the part (transistor?) just underneath the location of D5?
>
> There are only a few parts difference.
> Help, highly appreciated!
>
> 73'
> Paul
> PD0PSB
>

Paul,

I have never seen the official conversion documentation so cannot comment on it's content. I did investigate the conversion though and have several close-up pictures of the D-250 board in my HF-250's.

Please look in the HF-225 files are of this group for a document I produced on the D-250 to D-225 conversion. Sadly I never wrote down the values or ID's of the components used in the D-250.

You could ask Tony at Lowe. He is usually a very friendly and helful chap. It might cost you a couple of stamps to get it but that's not a bad price to pay for the info.

Fraser

101. Re: Am sync detector board D225>>D250

Yahoo group: Lowe_Receivers
Date: 2009-10-06 15:56:03 UTC
From: sailor105@hotmail.com
Topic: 99 Message: 101

Hello Fraser,

Yes, I already "zoomed in" on your picture ;-)

I remember most of the conversion, but just miss the type nr. of the transistor used on the D250 board, completely top-right under marking "d5". I think it was a ZTX ???.

Already contacted Tony but he suggested to buy another board..
May be I will, but first I'll just try the D225 in the HF250 and see what it does.
It's pin-connections are the same, it will only not have the RX Het-signals "in-loop" but will work stand-alone.

Tnx and great you keep the Lowe legend alive!

73'
Paul
PD0PSB

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, sailor105@ wrote:
> >
> > Hi All,
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> > I have an odd question:
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> > Some time ago I converted a D250 AM sync board into a D225 sync board.
> > I recently obtained a HF250 so I want to convert the AM sync board back to the D250 version. But, you guessed, I lost the modification sheet....
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> > A few questions:
> > -Whos has this information at hand?
> > -What was the part (transistor?) just underneath the location of D5?
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> > There are only a few parts difference.
> > Help, highly appreciated!
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> > 73'
> > Paul
> > PD0PSB
> >
>
> Paul,
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> Please look in the HF-225 files are of this group for a document I produced on the D-250 to D-225 conversion. Sadly I never wrote down the values or ID's of the components used in the D-250.
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> You could ask Tony at Lowe. He is usually a very friendly and helful chap. It might cost you a couple of stamps to get it but that's not a bad price to pay for the info.
>
> Fraser
>

102. Re: Am sync detector board D225>>D250

Yahoo group: Lowe_Receivers
Date: 2009-10-08 08:44:50 UTC
From: sailor105@hotmail.com
Topic: 99 Message: 102

Got the missing info from Tony at Lowe.
Great service!

I'll start the little reverse-engineering project :-)

73"
Paul
PD0PSB

--- In Lowe_Receivers@yahoogroups.com, sailor105@... wrote:
>
> Hello Fraser,
>
> Yes, I already "zoomed in" on your picture ;-)
>
> I remember most of the conversion, but just miss the type nr. of the transistor used on the D250 board, completely top-right under marking "d5". I think it was a ZTX ???.
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> --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
> >
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, sailor105@ wrote:
> > >
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> > > Some time ago I converted a D250 AM sync board into a D225 sync board.
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> > > A few questions:
> > > -Whos has this information at hand?
> > > -What was the part (transistor?) just underneath the location of D5?
> > >
> > > There are only a few parts difference.
> > > Help, highly appreciated!
> > >
> > > 73'
> > > Paul
> > > PD0PSB
> > >
> >
> > Paul,
> >
> > I have never seen the official conversion documentation so cannot comment on it's content. I did investigate the conversion though and have several close-up pictures of the D-250 board in my HF-250's.
> >
> > Please look in the HF-225 files are of this group for a document I produced on the D-250 to D-225 conversion. Sadly I never wrote down the values or ID's of the components used in the D-250.
> >
> > You could ask Tony at Lowe. He is usually a very friendly and helful chap. It might cost you a couple of stamps to get it but that's not a bad price to pay for the info.
> >
> > Fraser
> >
>

103. Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2009-10-08 08:58:21 UTC
From: sailor105@hotmail.com
Topic: 103 Message: 103

Hello group,

Could somebody clear out the differences between the 225/250 "standard" and "Europe" versions?

-The info I have seen states a difference in Murata filter configuration, which is clear.
-Also mentioned is a difference in switching diodes, I assume all standard 4181's were replaced, but to what type?
-Was there also a difference in frontend BPF switching diodes? In the HF250 schematic I see BA244A's used in the frontend filters, these are already quite good aren't they?
-Any other differences known for the 225/250 Europa versions?

73'
Paul
PD0PSB

104. HF250 initialization of D250 board?

Yahoo group: Lowe_Receivers
Date: 2009-10-09 20:56:22 UTC
From: sailor105@hotmail.com
Topic: 104 Message: 104

Hello to all,

I'm sorry to overload this group with one more question:

Just installed the D250 board in a HF250.
Is there a "startup procedure" to initialize the D250 board?

Right now the D250 is installed but the RX still skips the AMS/FM modes...

73' tnx,
Paul
PD0PSB

105. Re: HF250 initialization of D250 board?

Yahoo group: Lowe_Receivers
Date: 2009-10-09 21:11:03 UTC
From: frasercastle
Topic: 104 Message: 105

--- In Lowe_Receivers@yahoogroups.com, sailor105@... wrote:
>
> Hello to all,
>
> I'm sorry to overload this group with one more question:
>
> Just installed the D250 board in a HF250.
> Is there a "startup procedure" to initialize the D250 board?
>
> Right now the D250 is installed but the RX still skips the AMS/FM modes...
>
> 73' tnx,
> Paul
> PD0PSB
>

Paul,

Not certain that I can help as both my HF-250's came with the D250 fitted. I can advise of two pcb links on the control PCB that may be of interest to you.

The two pcb links are located behind the microprocessor. One link selects the HF-250 or HF-250E microprocessor routines (the micro is dual personality!) and the other selects ? ..... I have a vague recollection that it selects the 'D250 present' mode but I am not certain so you will have to experiment a little.

I will upload a picture of the links to the groups HF-250 photo area.

Kind regards

Fraser

106. Re: HF250 initialization of D250 board?

Yahoo group: Lowe_Receivers
Date: 2009-10-09 21:26:28 UTC
From: frasercastle
Topic: 104 Message: 106

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, sailor105@ wrote:
> >
> > Hello to all,
> >
> > I'm sorry to overload this group with one more question:
> >
> > Just installed the D250 board in a HF250.
> > Is there a "startup procedure" to initialize the D250 board?
> >
> > Right now the D250 is installed but the RX still skips the AMS/FM modes...
> >
> > 73' tnx,
> > Paul
> > PD0PSB
> >
>
>
> Paul,
>
> Not certain that I can help as both my HF-250's came with the D250 fitted. I can advise of two pcb links on the control PCB that may be of interest to you.
>
> The two pcb links are located behind the microprocessor. One link selects the HF-250 or HF-250E microprocessor routines (the micro is dual personality!) and the other selects ? ..... I have a vague recollection that it selects the 'D250 present' mode but I am not certain so you will have to experiment a little.
>
> I will upload a picture of the links to the groups HF-250 photo area.
>
> Kind regards
>
> Fraser
>

Paul,

I have uploaded a pictire of the links to the HF250 internal views photo album. The links aren't too pretty but that's how I found them. I believe later HF-250's had the feedthroughs cut on the other side of the PCB to break the links so you will need to check the state of the links using a meter. The more I think about it, the more convinced I am that one oof the links is for the D250 option. If I recall correctly, the left link set the

uP program to Standard or E mode and teh right link informed the uP that teh D250 was installed. In my standard HF-250's the left link is closed and teh right link has been opened by cutting the PCB feed through.

Oh and just in case you have the same experience as me.... one of my HF-250's refuses to boot up properly with the front panel not in place ! I never found out why but it behaves perfectly with the panel fitted.

Good luck.

Fraser

107. Re: HF250 initialization of D250 board?

Yahoo group: Lowe_Receivers
Date: 2009-10-09 21:49:54 UTC
From: sailor105@hotmail.com
Topic: 104 Message: 107

Fraser,

You are the greatest!

Just had the beast disassambled, and did the CPU link mod.
D250 came to life.
(what a user friendly way they thought out for this... :-)

Thanks very much and have a good weekend!

73'
Paul
PD0PSB

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
> >
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, sailor105@ wrote:
> > >
> > > Hello to all,
> > >
> > > I'm sorry to overload this group with one more question:
> > >
> > > Just installed the D250 board in a HF250.
> > > Is there a "startup procedure" to initialize the D250 board?
> > >
> > > Right now the D250 is installed but the RX still skips the AMS/FM modes...
> > >
> > > 73' tnx,
> > > Paul
> > > PD0PSB
> > >
> >
> >
> > Paul,
> >
> > Not certain that I can help as both my HF-250's came with the D250 fitted. I can advise of two pcb links on the control PCB that may be of interest to you.
> >
> > The two pcb links are located behind the microprocessor. One link selects the HF-250 or HF-250E microprocessor routines (the micro is dual personality!) and the other selects ?

..... I have a vague recollection that it selects the 'D250 present' mode but I am not certain so you will have to experiment a little.
> >
> > I will upload a picture of the links to the groups HF-250 photo area.
> >
> > Kind regards
> >
> > Fraser
> >
>
> Paul,
>
> I have uploaded a pictire of the links to the HF250 internal views photo album. The links aren't too pretty but that's how I found them. I believe later HF-250's had the feedthroughs cut on the other side of the PCB to break the links so you will need to check the state of the links using a meter. The more I think about it, the more convinced I am that one oof the links is for the D250 option. If I recall correctly, the left link set the uP program to Standard or E mode and teh right link informed the uP that teh D250 was installed. In my standard HF-250's the left link is closed and teh right link has been opened by cutting the PCB feed through.
>
> Oh and just in case you have the same experience as me.... one of my HF-250's refuses to boot up properly with the front panel not in place ! I never found out why but it behaves perfectly with the panel fitted.
>
> Good luck.
>
> Fraser
>

108. Re: HF250 initialization of D250 board?

Yahoo group: Lowe_Receivers
Date: 2009-10-09 22:02:29 UTC
From: frasercastle
Topic: 104 Message: 108

--- In Lowe_Receivers@yahoogroups.com, sailor105@... wrote:
>
>
> Fraser,
>
> You are the greatest!
>
> Just had the beast disassambled, and did the CPU link mod.
> D250 came to life.
> (what a user friendly way they thought out for this... :-)
>
> Thanks very much and have a good weekend!
>
> 73'
> Paul
> PD0PSB
>
>

You are most welcome Paul :-)

I read my last message again and saw that my speed typing has not improved ! Sorry about all the typos 'the' always seems to end up as 'teh' :-(

For the benefit of others can you confirm the link that you had to change.... was it opening the right link that enabled the D250 ?

73's

Fraser

109. Re: HF250 initialization of D250 board?

Yahoo group: Lowe_Receivers
Date: 2009-10-09 22:12:43 UTC
From: sailor105@hotmail.com
Topic: 104 Message: 109

Didn't really notice "teh" typos (I normally speak dutch :-)

Yes I measured both connections, they were both in closed state.
Then I followed your memory, cut the right trace and Murphy's law did not apply, it was the right one (and the right one).

Thanks again!

73'
Paul
PD0PSB
(going QSY to 2M horizontal ,as hams here use to say when they go to sleep)

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, sailor105@ wrote:
> >
> >
> > Fraser,
> >
> > You are the greatest!
> >
> > Just had the beast disassambled, and did the CPU link mod.
> > D250 came to life.
> > (what a user friendly way they thought out for this... :-)
> >
> > Thanks very much and have a good weekend!
> >
> > 73'
> > Paul
> > PD0PSB
> >
> >
>
> You are most welcome Paul :-)
>
> I read my last message again and saw that my speed typing has not improved ! Sorry about all the typos 'the' always seems to end up as 'teh' :-(
>
> For the benefit of others can you confirm the link that you had to change.... was it opening the right link that enabled the D250 ?
>
> 73's
>

> Fraser
>

110. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2009-10-09 23:08:29 UTC
From: frasercastle
Topic: 103 Message: 110

--- In Lowe_Receivers@yahoogroups.com, sailor105@... wrote:
>
> Hello group,
>
> Could somebody clear out the differences between the 225/250 "standard" and "Europe" versions?
>
> -The info I have seen states a difference in Murata filter configuration, which is clear.
> -Also mentioned is a difference in switching diodes, I assume all standard 4181's were replaced, but to what type?
> -Was there also a difference in frontend BPF switching diodes? In the HF250 schematic I see BA244A's used in the frontend filters, these are already quite good aren't they?
> -Any other differences known for the 225/250 Europa versions?
>
> 73'
> Paul
> PD0PSB
>

Paul,

The short version of the differences is as follows:

The E versions were upgraded as follows:

1. Additional Murata filter fitted. Type CFK455H with 6kHz BW.
2. Reprogrammed IF filter switching to access additional filter
3. Toko 10RB series screened 1mH chokes fitted in IF filter stage
4. SMD decoupling capacitors fitted in IF filter stage
5. Low capacitance switching diodes used in IF filter stage, not sure about BPF but likely the same.
6. Europa's come with D225/D250 board as standard

There were some minor changes to the first and second Mixer stages in te HF-250E as well but those would need more explanation than I have time for tonight. If required I will detail separately.

The filter upgrade is significant and a useful improvement. The changes in the IF stage helped prevent parasitic bypassing of the filters via component rf coupling from IF filter input to output.
For low capacitance switching diodes I use the BA482 device instead of the BA244A. The Toko screened inductors are part no.181LY-102(J)
The additional CFK455H IF filter is available from Tony at Lowe for around £10.

I have photos of an HF-250E variant IF stage PCB if required.

Hope this helps a little

Fraser

111. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2009-10-10 08:42:36 UTC
From: sailor105@hotmail.com
Topic: 103 Message: 111

Goodmornig Fraser,

If you could place the 250E IF photo that would be wonderful.

The last "DIY" upgrade to my HF250(standard) would be the filterscheme with x8 installed, I guess that would also need the other CPU bridge opened to activate the new configuration?

Your help has really been great, it's nice to tinker with these Plessey-based designs. The next John Thorpe (AR7070?) will be SDR...

73'
Paul
PD0PSB

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, sailor105@ wrote:
> >
> > Hello group,
> >
> > Could somebody clear out the differences between the 225/250 "standard" and "Europe" versions?
> >
> > -The info I have seen states a difference in Murata filter configuration, which is clear.
> > -Also mentioned is a difference in switching diodes, I assume all standard 4181's were replaced, but to what type?
> > -Was there also a difference in frontend BPF switching diodes? In the HF250 schematic I see BA244A's used in the frontend filters, these are already quite good aren't they?
> > -Any other differences known for the 225/250 Europa versions?
> >
> > 73'
> > Paul
> > PD0PSB
> >
>
> Paul,
>
> The short version of the differences is as follows:
>
> The E versions were upgraded as follows:
>
> 1. Additional Murata filter fitted. Type CFK455H with 6kHz BW.
> 2. Reprogrammed IF filter switching to access additional filter

> 3. Toko 10RB series screened 1mH chokes fitted in IF filter stage
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> 5. Low capacitance switching diodes used in IF filter stage, not sure about BPF but likely the same.
> 6. Europa's come with D225/D250 board as standard
>
> There were some minor changes to the first and second Mixer stages in te HF-250E as well but those would need more explanation than I have time for tonight. If required I will detail separately.
>
> The filter upgrade is significant and a useful improvement. The changes in the IF stage helped prevent parasitic bypassing of the filters via component rf coupling from IF filter input to output.
> For low capacitance switching diodes I use the BA482 device instead of the BA244A. The Toko screened inductors are part no.181LY-102(J)
> The additional CFK455H IF filter is available from Tony at Lowe for around £10.
>
> I have photos of an HF-250E variant IF stage PCB if required.
>
> Hope this helps a little
>
> Fraser
>

112. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2009-10-10 09:44:56 UTC
From: frasercastle
Topic: 103 Message: 112

--- In Lowe_Receivers@yahoogroups.com, sailor105@... wrote:
>
> Goodmornig Fraser,
>
> If you could place the 250E IF photo that would be wonderful.
>
> The last "DIY" upgrade to my HF250(standard) would be the filterscheme with x8 installed, I guess that would also need the other CPU bridge opened to activate the new configuration?
>
> Your help has really been great, it's nice to tinker with these Plessey-based designs. The next John Thorpe (AR7070?) will be SDR...
>
> 73'
> Paul
> PD0PSB
>

Hi Paul,

I will upload the pictures of the IF section for you today.

Some time ago I investigated the installation of X8 and bought the required filters from Tony. It isn't a straight filter insertion task though as you will find some additional components are already in place that will need to be removed before fitting the filter. There is also a cut feedthrough on the main PCB adjacent to the D250 Board connector that will need to be repaired.

I will endeavor to produce a quick guide to fitting X8 and enabling it but cannot gurantee that it will get written this weekend. In the short term I will try to find my record of the additional components that have been added to the HF-250 X8 area of the IF. If you look at the internal pictures of the HF-250 (or your own receiver) you will see an oddly positioned diode near X8.... that is one of the additinal components.

What you are hoping to do is totally possible and not that hard to achieve. I fully intended to do the same but have never got round to it. I purchased all the switching diodes, 10RB chokes and the additional X8 filter but as I am not a DX enthusiast I have not had the motivation to get on with the upgrade. I would certainly support the installation of X8 as a worthwhile upgrade for all owners of HF-250 standard models. You are correct in your assumption that selecting HF-250E mode via the link willprovide you with access to X8 AND the filter bandwidths will be correctly displayed for each IF bandwidth.

I will do my best to gather the required information for you. I have a recollection that some of the cheaper filters in the IF stage are also changed to different bandwidths to provide a decent spread of options for the user. I will confirm this for you. If you have trouble finding the filters, Tony has them all on the Lowe Spares page at:

http://www.lowe.co.uk/retail_secondhand.htm

You will not need them all but I think I needed the quality 6kHz filter plus a couple of the cheaper Murata offerings to get the job done.

Best Wishes

Fraser

113. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2009-10-10 10:21:31 UTC
From: sailor105@hotmail.com
Topic: 103 Message: 113

Thanks very much Fraser!

No hurry whatsoever. I have a collection of murata's I saved up from other projects, I'm quite sure I have the 455J metalcan type in my junkbox. It might also make a nice bandwidth for "SSB wide" or SAM "medium narrow" the 455IT are just too wide for this.

One thing I'm uncertain about is symmetry between the SAM L/U and LSB/USB.
Murata's are known for not being very symmetrical and Lowe's carrierpoints have never been exactly in place as far as I remember,due to Lowe's effecient devider trick. Cascading filters makes this worse. The HF150 I once had was not symmetrical either.
I did exchange the 455K14 with a 455K5 and that helps a bit in symmetry somehow.

We'll puzzle on...
Thanks for being a true Lowe wikipedia!

Best regards,
Paul
PD0PSB

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, sailor105@ wrote:
> >
> > Goodmornig Fraser,
> >
> > If you could place the 250E IF photo that would be wonderful.
> >
> > The last "DIY" upgrade to my HF250(standard) would be the filterscheme with x8 installed, I guess that would also need the other CPU bridge opened to activate the new configuration?
> >
> > Your help has really been great, it's nice to tinker with these Plessey-based designs. The next John Thorpe (AR7070?) will be SDR...
> >
> > 73'
> > Paul
> > PD0PSB
> >
>
> Hi Paul,
>
> I will upload the pictures of the IF section for you today.
>
> Some time ago I investigated the installation of X8 and bought the required filters from

Tony. It isn't a straight filter insertion task though as you will find some additional components are already in place that will need to be removed before fitting the filter. There is also a cut feedthrough on the main PCB adjacent to the D250 Board connector that will need to be repaired.
>
> I will endeavor to produce a quick guide to fitting X8 and enabling it but cannot gurantee that it will get written this weekend. In the short term I will try to find my record of the additional components that have been added to the HF-250 X8 area of the IF. If you look at the internal pictures of the HF-250 (or your own receiver) you will see an oddly positioned diode near X8.... that is one of the additinal components.
>
> What you are hoping to do is totally possible and not that hard to achieve. I fully intended to do the same but have never got round to it. I purchased all the switching diodes, 10RB chokes and the additional X8 filter but as I am not a DX enthusiast I have not had the motivation to get on with the upgrade. I would certainly support the installation of X8 as a worthwhile upgrade for all owners of HF-250 standard models. You are correct in your assumption that selecting HF-250E mode via the link willprovide you with access to X8 AND the filter bandwidths will be correctly displayed for each IF bandwidth.
>
> I will do my best to gather the required information for you. I have a recollection that some of the cheaper filters in the IF stage are also changed to different bandwidths to provide a decent spread of options for the user. I will confirm this for you. If you have trouble finding the filters, Tony has them all on the Lowe Spares page at:
>
> http://www.lowe.co.uk/retail_secondhand.htm
>
> You will not need them all but I think I needed the quality 6kHz filter plus a couple of the cheaper Murata offerings to get the job done.
>
> Best Wishes
>
> Fraser
>

114. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2009-10-10 10:51:22 UTC
From: frasercastle
Topic: 103 Message: 114

--- In Lowe_Receivers@yahoogroups.com, sailor105@... wrote:
>
> Thanks very much Fraser!
>
> No hurry whatsoever. I have a collection of murata's I saved up from other projects, I'm quite sure I have the 455J metalcan type in my junkbox. It might also make a nice bandwidth for "SSB wide" or SAM "medium narrow" the 455IT are just too wide for this.
>
> One thing I'm uncertain about is symmetry between the SAM L/U and LSB/USB.
> Murata's are known for not being very symmetrical and Lowe's carrierpoints have never been exactly in place as far as I remember,due to Lowe's effecient devider trick. Cascading filters makes this worse. The HF150 I once had was not symmetrical either.
> I did exchange the 455K14 with a 455K5 and that helps a bit in symmetry somehow.
>
> We'll puzzle on...
> Thanks for being a true Lowe wikipedia!
>
> Best regards,
> Paul
> PD0PSB
>
>

Paul,

Here is a message that I posted on the Lowe_hfreceivers group some time ago. It detailed what needed to be done to upgrade the HF-250 to E version spec.

This is what must be done.....

1. Remove standard specification filters from PCB
2. Fit high specification filters to PCB (still available from Lowe)
3. Remove the additional diode that connects the X8 IF filter select line to the 500kHZ low pass filter select line.
4. Fit high specification 3.5kHz filter in X8 IF filter location and fit all associated components (inductors, resistors, capacitors and pin diodes).
5. Reconnect the FM select line to the Low Pass filter select line (this is a cut feedthrough adjacent to the D250 sync/fm board connector on the main PCB).
6. Remove axial unscreened 1mH inductors in IF Filter circuits
7. Fit screened 1mH inductors in IF Filter circuits
8. Remove all standard PIN diodes from bandpass filters and IF filter circuits.
9. Fit low capacitance PIN switching diodes in bandpass and IF filter

circuits.
10. Set receiver to HF-250E mode.

Looks like you just need to remove a diode and reconnect a cut track feedthrough to enable X8 :-)

I think I said the X8 is 6kHz in a previous message, it is of course 3.5kHz B/W. As I am sure you are aware, these Murata Filter specs are best case scenario and once in circuit can have a broader response. I believe the 3.5kHz filter produces around 4 kHz measured BW in circuit.

I will confirm the provided detail later when I have had a chance to revisit my notes on the subject.

73's

Fraser

115. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2009-10-10 17:17:25 UTC
From: frasercastle
Topic: 103 Message: 115

> Paul,
>
> Here is a message that I posted on the Lowe_hfreceivers group some time ago. It detailed what needed to be done to upgrade the HF-250 to E version spec.
>
> ---
> This is what must be done.....
>
> 1. Remove standard specification filters from PCB
> 2. Fit high specification filters to PCB (still available from Lowe)
> 3. Remove the additional diode that connects the X8 IF filter select
> line to the 500kHZ low pass filter select line.
> 4. Fit high specification 3.5kHz filter in X8 IF filter location and
> fit all associated components (inductors, resistors, capacitors and
> pin diodes).
> 5. Reconnect the FM select line to the Low Pass filter select line
> (this is a cut feedthrough adjacent to the D250 sync/fm board
> connector on the main PCB).
> 6. Remove axial unscreened 1mH inductors in IF Filter circuits
> 7. Fit screened 1mH inductors in IF Filter circuits
> 8. Remove all standard PIN diodes from bandpass filters and IF filter
> circuits.
> 9. Fit low capacitance PIN switching diodes in bandpass and IF filter
> circuits.
> 10. Set receiver to HF-250E mode.
> ---
>
> Looks like you just need to remove a diode and reconnect a cut track feedthrough to enable X8 :-)
>
> I think I said the X8 is 6kHz in a previous message, it is of course 3.5kHz B/W. As I am sure you are aware, these Murata Filter specs are best case scenario and once in circuit can have a broader response. I believe the 3.5kHz filter produces around 4 kHz measured BW in circuit.
>
> I will confirm the provided detail later when I have had a chance to revisit my notes on the subject.
>
> 73's
>
> Fraser
>

Paul,

I have uploaded a couple of pictures to the HF-250 internal pictures folder for you. The filter identities are clearly visible in their various locations. As I suspected I wrongly stated that X8 is an 455H type filter, it is of course a 455J type. The pictures should provide enough detail to fit the required parts to enable X8. I have also uploaded pictured showing the locations of the additional diode and cut feedthrough that needs to be repaired for HF-250E operation.

73's

Fraser

116. Hello & WTB: Lowe PR-150

Yahoo group: Lowe_Receivers
Date: 2009-10-22 10:09:29 UTC
From: vr2xmq
Topic: 116 Message: 116

Hello,

Just wanted to drop a note to say hello since I am new to the group. I am located in Hong Kong (grid locator OL72cm) and I own a Lowe HF-150 amongst other receivers.

I am looking for the PR-150 preselector and would be also be interested in the SP-150. If anyone has these items, please drop me a note with your asking price.

Steve, VR2XMQ

117. Backlighting for HF-150

Yahoo group: Lowe_Receivers
Date: 2009-10-25 02:35:15 UTC
From: vr2xmq
Topic: 117 Message: 117

Hi,

Would like to here about ideas and methods for backlighting the LCD display for the HF-150.

Regards,

Steve

118. Re: Backlighting for HF-150

Yahoo group: Lowe_Receivers
Date: 2009-10-25 11:36:24 UTC
From: frasercastle
Topic: 117 Message: 118

--- In Lowe_Receivers@yahoogroups.com, "vr2xmq" <stevesebastianb@...> wrote:
>
> Hi,
>
> Would like to here about ideas and methods for backlighting the LCD display for the HF-150.
>
> Regards,
>
> Steve
>

Steve,

There are several ways to achieve display illumination on an HF-150. Some are more effective than others and complexity of the solution varies.

Here are some ideas for you to consider:

1. Carry out the Lowe OEM upgrade. This is no longer available but may be found occasionally via ebay. You can reproduce it yourself as detailed below.
2. Copy the Lowe OEM upgrade. You will need to carefully remove the reflective layer from the rear of the LCD panel and replace it with a white translucent material (white sticky labels have been used)This acts as a diffuser. A Perspex (acrylic) light guide must then be made that fits behind the LCD display panel. All side faces should be made opaque using abrasive paper. Better still cover sides with reflective foil. Paint the rear of the light guide gloss white to act as a reflector. On one edge (or both is desired) cut a U channel that will accept a 5mm ultrabright LED. The sides of this channel should be polished as best you can. Slightly opaque the LEDs lens using abrasive paper to diffuse the output. Glue or otherwise secure the chosen colour of ultrabright LED(s) into the light guide. The light of the LED is captured by the light guide and diffused by the white diffuser between it and the LCD panel. You can also buy dedicated LCD illumination LED's that are side facing. These could be used without cutting the slot into the light guide. You would need to polish the area of the light guide adjacent to them to allow light penetration.
Power for the LED's should be taken from a suitable point on the PCB and the appropriate value of current limiting resistor employed. The value of resistor should be chosen to provide a nice backlight glow to the users preference. The backlight will always be on when the receiver is in use. This will cause a shorter run time on batteries but with greater capacity Ni-Mh cells available this isn't a major problem. You can reproduce the Lowe control circuit that only powered the backlight when the receiver was running on it's mains power pack but the need is questionable as many wish to have the backlight on all the time. The Lowe control solution just used a single transistor switch and if needs be I could probably work it out for you. Alternatively a toggle switch may be added to control the backlight.
3. A cheap and cheerful method of `backlighting' that may be worth a try is to affix Ultrabtight LED's to either side of the LCD glass panel. Two 3mm types per side would be a

good start. The light enters the LCD glass panel and is reflected by the LCD rear reflector. Uneven illumination often results but the readability of the display in darkness is achieved cheaply and easily. Power the LED's via a suitable current limiting resistor and try to keep the brightness down to avoid serious light hot spots at the side of the display. Interestingly, this is the method of illumination that was often used on early LCD watches except they used minute filament lamps !
4. Buy a modern backlit LCD display of suitable size and strip out the light guide assembly that sits behind the LCD panel. Modify light guide/LED assembly to fit behind the Lowe LCD panel. Remove the reflective layer from the rear of the Lowe LCD panel and fit the new light guide. Power the light guides LED light sources via an appropriate current limiting resistor. Details are often provided by the LCD panel manufacturer. Scrap illuminated LCD panels can often be found on the surplus market for very little money and are worth experimenting with as you can learn a lot about backlighting from them.
5. Purchase a suitable LCD panel that includes the backlight assembly and is compatible with the HF-150. This is a bit of a Holy Grail as I have yet to find such a device still available.
6. Contact Tony at the Lowe workshop and purchase the backlight light guide for an HF-250 from him. I don't think he has an HF-225 backlight in stock. The light guide will be too long and will require trimming to the required length. You will still have to remove the reflective layer from the LCD panel and fit LED light sources on each side of the light guide.

Try option 3 for starters as it does not involve any significant risk to your HF-150 or it's LCD display.

Hope this helps a little.

Kind Regards

Fraser

119. Re: [Lowe_Receivers] Digest Number 54

Yahoo group: Lowe_Receivers
Date: 2009-10-25 12:34:23 UTC
From: Christian Becker
Topic: 119 Message: 119

Hi There,

easy going. Two 3mm LEDs each side of the display do work perfect. I used normal orange ones to enlight mine. Just have to look for proper voltage on the PCB and a proper resistor for voltage/current of LEDs. Can't recall the details and do not want to unmount, but it is really easy going.

CU,
Christian

Lowe_Receivers@yahoogroups.com schrieb:
> There is 1 message in this issue.
>
> Topics in this digest:
>
> 1. Backlighting for HF-150
> From: vr2xmq
>
>
> Message
> _____
> 1. Backlighting for HF-150
> Posted by: "vr2xmq" stevesebastianb@... vr2xmq
> Date: Sat Oct 24, 2009 7:35 pm ((PDT))
>
> Hi,
>
> Would like to here about ideas and methods for backlighting the LCD display for the HF-150.
>
> Regards,
>
> Steve
>
>
>
>
>
>
> Messages in this topic (1)
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> ---
> Yahoo! Groups Links
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120. Re: Backlighting for HF-150

Yahoo group: Lowe_Receivers
Date: 2009-10-25 13:29:30 UTC
From: frasercastle
Topic: 117 Message: 120

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "vr2xmq" <stevesebastianb@> wrote:
> >
> > Hi,
> >
> > Would like to here about ideas and methods for backlighting the LCD display for the HF-150.
> >
> > Regards,
> >
> > Steve
> >
>
> Steve,

SNIP
>
Additional comment.

I should correct a comment made in my previous message. If a diffuser is used between the light guide and LCD panel, it needs to be very thin (translucent) so as to avoid too much light attenuation. Sticky labels are usually too opaque for such a task. Thin `airmail' paper or teleprinter paper is suitable for the task.

I neglected to mention Electro-luminescent (EL) backlighting. This is a thin material that glows when a high voltage is passed across it. It provides an even green or blue glow and can be quite pleasing to the eye. The material can be recovered from larger EL displays and is available in small sheets from specialist suppliers. I am aware of such backlighting being used in scanning receivers such as those sold by Radio Shack, but I am no fan of the technology in HF receivers. The EL panel requires approx 110Vac potential difference across it in order to glow. The 110Vac is usually generated by a blocking oscillator running at 400 Hz. The idea of a 110Vac 400Hz signal and associated harmonics in near proximity to a sensitive microprocessor and highly RF sensitive analogue circuits does not appeal. I would leave such a design to braver persons than myself ! I should add that many receiver manufacturers have used HT voltage generators to power fluorescent vacuum displays for many years with little ill effects it just takes a quality design to avoid problems.

Kind regards

Fraser

121. Re: Backlighting for HF-150

Yahoo group: Lowe_Receivers
Date: 2009-10-25 14:36:28 UTC
From: frasercastle
Topic: 117 Message: 121

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
> >
> >
> >
> > --- In Lowe_Receivers@...m, "vr2xmq" <stevesebastianb@> wrote:
> > >
> > > Hi,
> > >
> > > Would like to here about ideas and methods for backlighting the LCD display for the HF-150.
> > >
> > > Regards,
> > >
> > > Steve
> > >
SNIP

Steve,

Some interesting articles on the web for you....

http://www.instructables.com/id/DIY-LCD-backlight/

http://www.compsys1.com/support/docs/ELbacklight_Guide.pdf

http://www.tstonramp.com/~pddwebacc/lcd_backlights.htm

73's

Fraser

122. Re: Backlighting for HF-150

Yahoo group: Lowe_Receivers
Date: 2009-10-27 00:42:10 UTC
From: vr2xmq
Topic: 117 Message: 122

Thanks guys for the input, will study and find out what is the best solution. It would be nice to add some backlighting to the set.

I just picked up a nice PR-150 on eBay Germany so almost completed my 150 line, just need to find a SP-150 now.

Steve

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
> >
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
> > >
> > >
> > >
> > > --- In Lowe_Receivers@yahoogroups.com, "vr2xmq" <stevesebastianb@> wrote:
> > > >
> > > > Hi,
> > > >
> > > > Would like to here about ideas and methods for backlighting the LCD display for the HF-150.
> > > >
> > > > Regards,
> > > >
> > > > Steve
> > > >
> SNIP
>
> Steve,
>
> Some interesting articles on the web for you....
>
> http://www.instructables.com/id/DIY-LCD-backlight/
>
> http://www.compsys1.com/support/docs/ELbacklight_Guide.pdf
>
> http://www.tstonramp.com/~pddwebacc/lcd_backlights.htm
>
>
> 73's
>

> Fraser
>

123. Re: Backlighting for HF-150

Yahoo group: Lowe_Receivers
Date: 2009-10-27 18:39:19 UTC
From: frasercastle
Topic: 117 Message: 123

--- In Lowe_Receivers@yahoogroups.com, "vr2xmq" <stevesebastianb@...> wrote:
>
> Thanks guys for the input, will study and find out what is the best solution. It would be nice to add some backlighting to the set.
>
> I just picked up a nice PR-150 on eBay Germany so almost completed my 150 line, just need to find a SP-150 now.
>
> Steve
>

Hi Steve,

Well done getting a PR-150 for your receiver. It's a very neat piece of kit that I have found very useful with any receiver that is a little open at the front end. It also transforms the HF performance of many scanners that cover the HF bands.

Best Wishes

Fraser

124. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-11-01 12:01:02 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 124

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /SRX-30/History of the SRX.pdf
Uploaded by : frasercastle <fraser.castle@...>
Description : John Wilson's History of the SRX-30

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/SRX-30/History%20of%20the%20SRX.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>

125. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-11-01 12:03:50 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 125

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /SRX-30/SRX-30 Schematics/SSR1schematic.jpg
Uploaded by : frasercastle <fraser.castle@...>
Description : SSR-1 (aka SRX-30) Schematic

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/SRX-30/SRX-30%20Schematics/SSR1schematic.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>

126. Reviving a 'dead' SRX-30

Yahoo group: Lowe_Receivers
Date: 2009-11-01 15:36:41 UTC
From: alloydog
Topic: 126 Message: 126

Good day group!
I have recently dug out my old Lowe SRX-30. I haven't usedd it in over 20 years. Unfortunately, way back then, I guess I had ideas that I could "make it better" - and killed it!

It works, that is, it powers up. But it doesn't seem to receive anything. Just noise and a few squawks across the whole tuning range. I do get the MHz whistle at the end of the tuning.

I think the problem lies when I replaced the "RF-GAIN" 600R variable resistor for a six-step switched attenuator, which I made. I have also removed the telescopic arial. So, I am not sure now where, exactly the lead-in from the antenna socket should go... More of that later.

The damage done (by me :( ) is:
Telescopic antenna removed;
External antenna jack plugs removed;
- These were replaced with an N-type socket on the front of the RX.
Headphone jack removed;
Mute and record sockets removed;
AC rectifier circuit removed;
- This was replaced with a 12 VDC power supply from 'somewhere else', about 10 years back.

I have the original circuit diagram, so I should be able to fix it... (I hope)

regards

Rob.

127. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-11-02 07:51:45 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 127

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /SRX-30/SRX-30 Schematics/Lowe_SRX30_cct_72dpi.png
Uploaded by : alloydog <alloydog@...>
Description : Schematic for Lowe SRX 30 receiver (72dpi)

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/SRX-30/SRX-30%20Schematics/Lowe_SRX30_cct_72dpi.png

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

alloydog <alloydog@...>

128. Re: Reviving a 'dead' SRX-30

Yahoo group: Lowe_Receivers
Date: 2009-11-02 08:10:40 UTC
From: alloydog
Topic: 126 Message: 128

A bit more info...

I still can't work out what's missing!

I have connected the antenna socket to the right (viewed from front) terminal of VR6. The left terminal is hooked to ground with a 47R resistor. The middle/wiper terminal is connected to RS1-3, (I think/hope!)See image:
http://i111.photobucket.com/albums/n136/alloydog/SRX30/SRX30_RS1.png

According to the schematic, the telescopic antenna was connected to RS1-2 and VC1. However, I cannot see where I removed the original wiring. VC1 seems only to have two terminals used, and these seem both connected to earth but a hardwire. The other two terminals do not seem to have ever been soldered to anything.
See image:
http://i111.photobucket.com/albums/n136/alloydog/SRX30/SRX30_VC1.png

I have also uploaded the schematic originally provided with the receiver:
http://groups.yahoo.com/group/Lowe_Receivers/files/SRX-30/SRX-30%20Schematics/Lowe_SRX30_cct.png (1.8 MB)
http://groups.yahoo.com/group/Lowe_Receivers/files/SRX-30/SRX-30%20Schematics/Lowe_SRX30_cct_72dpi.png (276.2 kB)

Anyone have any ideas where I'm going wrong?

cheers,

rob.

129. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-11-02 11:30:17 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 129

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /SRX-30/SRX 30 User manual/Lowe_SRX30_Manual_01_Cover.png
Uploaded by : alloydog <alloydog@...>
Description :

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/SRX-30/SRX%2030%20User%20manual/Lowe_SRX30_Manual_01_Cover.png

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

alloydog <alloydog@...>

130. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2009-11-02 11:41:27 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 130

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /SRX-30/SRX 30 brochure/Lowe_SRX30_Brochure_01.png
Uploaded by : alloydog <alloydog@...>
Description :

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/SRX-30/SRX%2030%20brochure/Lowe_SRX30_Brochure_01.png

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

alloydog <alloydog@...>

131. Re: Lowe Receiver Repairs

Yahoo group: Lowe_Receivers
Date: 2009-11-23 16:20:15 UTC
From: jmblack42
Topic: 74 Message: 131

Hi, Fraser. I pulled out the HF150 and thought I'd put some batteries in it, to find that it won't work on batteries, just the ac adapter. Turns out that the coaxial power socket is bad, so I replaced it.

While I was in there, I thought I might take one more go at the lack of AM-Wide selectivity, which you and I had discussed before.

Turns out, it was my fault anyway. I had removed the front panel to fix the original PLL problem, and never soldered the pad marked "FLT" to the PC board! Resoldering that fixed the problem.

One final problem: if I hit the "fast" button and go to some other end of the spectrum, the receiver stays muted for up to 5 seconds before I get audit again. Does this sound like an unlocked PLL to you, and something that an alignment might cure? I did replace the PLL chip.

If I can fix this one, then this poor HF150 will finally be back to working properly!

John

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
> --- In Lowe_Receivers@yahoogroups.com, "jmblack42" <johnmblack@> wrote:
> >
> > Hi, Fraser. Thanks for your reply. I had gotten busy with other things so didn't check in for a while.
> >
> > I have not fired up the HF150 in a bit, but I have just done so briefly and here's what I see. A and An are identical, and narrow.
> > ASU and ASL seem a bit wider sounding, ASD sounds narrow, and ASF sounds wide. I would take the sound of ASU and ASL to be an IF shift anyway, but ASF definitely is hi-fi compared to everything else.
> >
> > I will go into the radio tomorrow and try your suggestions.
> >
> > This unit looks to be in good shape, but has given me problems. When I got it, it wouldn't do much. I found the whip amp was blown and fixed that. That revealed the fact that the radio would not receive anything for up to 30 seconds after power-up. After freezing everything I could, I decided that the PLL was bad and scoured the earth for another. I found one and put it in, and of course it didn't fix anything. Finally realized that it was one lousy resistor right next to the PLL that had a thermal fault. Replacing that fixed the radio. Now I have this bandwidth problem, and also the set seems to come on with a wide open AGC that corrects itself after one or two seconds. That's not normal, is it?
> >
> > John

>
> SNIP
>
> Hi John,
>
> You appear to have been unlucky with your HF-150. The dead J310 FET in the whip aerial amplifier is not that uncommon, I have replaced several. Antenna static discharge appears to be the culprit behind such failures. The faulty resistor is an interesting find. Do you recall it's part no. ? I can confirm that the AGC on your receiver is definitely misbehaving as it's action should be unnoticeable at switch on. I am wondering whether your receiver has been the victim of a significant antenna static discharge event or a lightning near miss. Receivers that I have worked after such an occurance had all manner of unexplainable faults. The microprocessor and IF stage PIN switching diodes could be harmed by such an event. All IC's should be considered suspect until proven otherwise. I have worked on receivers that required several damaged IC's to be replaced before normal operation was possible. Th estsic discharge had either jumped around the PCB of attacked the IC's via the supply rail.
>
> The good news is that most parts are still available as new old stock from either Lowe's workshop or myself. I will happly quote for any parts that you require.
>
> Kind Regards
>
> Fraser
>

132. HF-150 or HF-225 - which is best for newbie SW listener?

Yahoo group: Lowe_Receivers
Date: 2009-11-26 09:32:42 UTC
From: gravesmark
Topic: 132 Message: 132

Hi,
I'm fairly new to SW listening and looking for a general purpose receiver. Can someone tell me the difference in "laymans terms" between the HF-150 and 225? The 150 looks to be a budget version of the 225, but then statements such as this just confuse me:

"Despite its cut price, the HF-150 had the huge advantage of of a better AMS detector than the HF-225, offering Synchronous AM detection with selectable sidebands, something not available on the HF-225."

Could someone advise which one would be more appropriate for a new listener? Also does anyone know what would be a fair price to pay for these receivers in good working order? Thanks.

133. Re: [Lowe_Receivers] HF-150 or HF-225 - which is best for newbie SW listener?

Yahoo group: Lowe_Receivers
Date: 2009-11-26 17:29:22 UTC
From: crabtreejr@aol.com
Topic: 132 Message: 133

In a message dated 11/26/2009 3:38:54 AM Central Standard Time,
mark@... writes:
> Hi,
> I'm fairly new to SW listening and looking for a general purpose receiver.
> Can someone tell me the difference in "laymans terms" between the HF-150
> and 225? The 150 looks to be a budget version of the 225, but then
> statements such as this just confuse me:
>
> "Despite its cut price, the HF-150 had the huge advantage of of a better
> AMS detector than the HF-225, offering Synchronous AM detection with
> selectable sidebands, something not available on the HF-225."
>
> Could someone advise which one would be more appropriate for a new
> listener? Also does anyone know what would be a fair price to pay for these
> receivers in good working order? Thanks.

Hello Mark

I think that this subject was covered somnetime ago in the older
[lowe_hfreceivers] list, but the search function is very poor. So here goes.

You are right: the HF-150 was a cost reduced version of the HF-225. The
basic differences are:

1. The HF-150 has very little front-end filtering. For instance this
could mean medium stations breaking through in the short wave bands. This led
to the development of the PR-150 (preselector), and later the HF-150E.

2. The HF-150 has no S-meter.

3. The HF-225 has an FM mode (requires the optional FM / AM Synchronous
detector board), and a CW mode with a 200Hz audio filter. The HF-150 has
neither.

4. The HF-225 has four IF filters, ie 2.6, 4, 7, and 10kHz (2.6, 3, 4 and
7 kHz on the HF-225E). The HF-150 has two IF filters, ie 2.6 and 6.5 kHz.

5. The HF-150 had whip antenna capability built in. It was an optional
board on the HF-225.

6. As noted above, synchronous detection on the HF-225 required the
optional board. You can tell if it is present by looking at the rear of the radio
and seeing if there is an adjustment pot for the FM squelch. Synchronous
detection came as standard on the HF-150 along with the ability to select
which of the AM sidebands you want to listen to. This can be useful in getting
rid of interference from adjacent channels. .

7. Because of the lack of front-end filtering, the first mixer in the HF-150 is sensitive to static discharges. On the the HF-225 you typically damage a couple of diodes, if anything. However the damage in either radio can be more severe.

That pretty much sums up the differences.

Here is part of I post which I made to the [lowe_hfreceivers] list on 2006/04/06:

>>
A further perspective on the HF-150E was provided by John Wilson, G3PCY, in his article "Lowe HF-150 - A Retrospective", Short Wave Magazine, December 1997, pp 32, 33, 38 & 39. He discussed the history of the HF-150, and particularly the initial price target. Then requests appeared for additional features such as an S-meter, 100Hz resolution on the display etc. Apparently John Thorpe pointed out that the receiver would then cost much more and become like an HF-225, and in which case you would be better off buying an HF-225. The main request which was addressed was to improve the second order intermodulation performance, which led to the development of the preselector and later the HF-150E.

Further on in the article, John wrote: "In my opinion, what really went wrong with the HF-150 was the insatiable drive to make it into something it was never meant to be, and I have to take some of the blame for that. Mea Culpa. J.T., (John Thorpe) you were right all along."

I agree with this perspective. IMHO unless you need something that the HF-150 uniquely offered, ie the small size, or the selectable sideband synchronous detection, the HF-225 is probably the better radio.
>>

You will see that a lot of effort went into making available features for the HF-150 which had been removed from the HF-225 to design the HF-150 in the first place. Nothing has made me change my view which is expressed in the preceding paragraph.

Foir current pricing, take a look at eBay. I understand that both the HF-150 and HF-225 are offered regularly.

One other thing: I would not buy an HF-150 which has had battery leakage. Ask specific questions about this before you buy one. Once you get battery acid onto a printed circuit board, you can get problems which are almost, impossible to fix.

HTH and 73

John KC0G

134. Re: HF-150 or HF-225 - which is best for newbie SW listener?

Yahoo group: Lowe_Receivers
Date: 2009-11-28 12:12:32 UTC
From: frasercastle
Topic: 132 Message: 134

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
SNIP

>
> Hello Mark
>
> I think that this subject was covered somnetime ago in the older
> [lowe_hfreceivers] list, but the search function is very poor. So here goes.
>
> You are right: the HF-150 was a cost reduced version of the HF-225.

SNIP

>
> HTH and 73
>
> John KC0G

Mark,

I concur with John's view of the differences between the two receivers but would like to add the following comments that may be of interest.

The HF-225 is, in my opinion, an excellent receiver with very respectable RF performance. Sadly it was built into a case that to my eyes does not do it justice. It has the appearance of a DIY or cottage industry produced product whereas the HF-150 is a piece of engineering art like some high end Hi-Fi equipment....more of this in a minute.

It is my understanding that the HF-225 had (has) an excellent reputation but Lowe realised that the cost was a little high for some areas of the customer marketplace. The HF-150 was designed to fill the gap just below the price-point of the HF-225 without actually replacing its older brother in the market. For this reason, as John has stated, it was most definitely a cut-down version of the HF-225.

In terms of the losses, I should make clear that I am a fan of the HF_150 design and hence I am biased towards it. The loss of the S Meter, thought not great does not prevent the receiver delivering excellent performance and I must be honest, I do not use S Meters for anything important these days, they just look nice ! The loss of filter options is significant as I am a great believer in the correct bandwidth IF for the target transmission. I personally have not had significant issues with the two provided filters and if IU did, I would change them ! The HF-225 definitely wins on IF filter options though. The decision to remove the front-end bandpass filters in the HF-150 design, was, in my opinion the single greatest mistake. I fully understand the financial reasoning but I personally believe that even a simplified band-pass filter set would have been worth the additional cost. This deficiency in the design left the HF-150 open to criticism, some justified, some not, regarding the RF performance in crowded RF spectrums. Once again the 0

to 30 MHZ open front end has not caused me great issues as I live in the country and mainly use tuned loop antennas. It is interesting to note that the famous AOR AR7030 receiver has a wide open front end from 0 to 30 MHz yet still achieves superb performance due to an ultra linear front end design.

Lowe responded to the HF-150 deficiencies by producing add-on `modules' that provide performance improvement and additional facilities. The most important of these modules is the PR-150 preselector that provides the much needed front end filtering. The PR-150 has a deserved reputation for being an excellent quality preselector that can be used with any HF receiver so has been popular with other user bases outside Lowe circles. It could be argued that the PR-150 provides superior RF front end performance to that of the fixed bandpass set in the HF-225 and many other receiver designs. Lowe went on to produce the AP-150 (nee SP-150) to provide a filtered audio, bigger loudspeaker and S Meter. I own one, and in my opinion the AF side id unnecessary as the HF-150 can manage without it, but the S Meter has some benefit for users. If Lowe had produced a separate S Meter as an option, I believe it would have sold well. AOR did this for the AR8600 and it looked good. I personally purchased the SP-150 for reasons of completeness only. The modular nature of the HF-150 could be considered an HF receiver system `in instalments' with owners buying improved performance as and when they could afford it. The `stack'of matching units is certainly unique and impressive to some. The downside of this modular approach is that after purchasing the three modules, the total financial outlay far exceeded the price of a brand new state of the art high performance HF receiver that had all the capabilities in one more portable design. Think AOR AR7030 and you will see what I mean.

The HF-150 does offer additional facilities to those of the HF-225. The ability to select sidebands when using the well respected AM synchronous detector is a significant improvement over earlier designs and it is still considered by many to be one of the most effective implementations of AMS of that era. The HF-225 cannot easily be connected to a computer for computer control. The HF-150 uses the IF-150 `intelligent' interface module to communicate with a PC via the serial port. There are several remote control programs available for the HF-150. Be aware that the PR-150 and SP-150 are not remote controllable so internet controlled receiver set ups must use the HF-150 on it's own. An infra red remote control is still available for both the HF-150 and HF-225 if desired. Both normally use the very useful wired keypad made by Lowe.

Now to the aesthetics issue. As I have said, the HF-225 appearance IMHO leaves a little to be desired when compared with Japanese competitors of the era. Appearances are deceptive however and the old adage of judging a book by it's cover applies ! HOWEVER customers can be swayed by appearances. The HF-150 on the other hand is an engineering work of art that is minimalist yet perfectly formed and does not look out pf place as pert of a Hi-Fidelity installation in a living room. This attractive appearance has not been lost on the marketplace and the HF-150 is still a hot seller on the used market. Some are used for SW Broadcast reception in living rooms . The HF-225 would look a little uncomfortable in such environs and many house-proud wives might object ;-) The HF-150 is also very robust and small making it eminently suitable for portable operation with it's convenient internal battery packs. It certainly makes a very neat portable station provided you do not require the PR-150 as well !

The effect of appearances should not be underestimated. On eBay the final prices of HF-225 receivers can be significantly less than an HF-150 which on purely technical terms is somewhat illogical. I have purchased excellent condition 225's for as little as £80 when 150's were selling for £120. The market place has become more expensive in light of the exchange rate changes, it has become economic for mainland Europeans to buy from the UK taking advantage of favourable Euro rates against the Pound. The result has been some eye watering final prices on HF-150 receivers of over £200 ! The HF-225 can usually still be

had for a more reasonable £120 but I think the days of `cheap' Lowe receivers are, at least temporarily, gone. The aesthetic appeal of the HF-150 should not be underestimated and for that reason I would recommend the better value HF-225 to you.

With regard to buying faulty or `not tested' Lowe receivers . Most faults can be repaired relatively cheaply and the Lowe receivers are well designed and usually reliable. Blown front ends due to static are a more common failing and the HF-150 can suffer terribly if batteries are installed and allowed to leak. To repair a Lowe Rx you need good diagnostic and soldering skills. The Lowe receivers are no longer repaired by Lowe and I have had to withdraw my free repair service due to pressures of work so you should avoid `unknown' condition or faulty Lowe receivers unless you are willing to repair them yourself. Both Low and I hold spare parts but mine are for the HF-150 only.

Finally I suggest you are not temped by the HF-125 if one appears on eBay. They often command quite high prices due to collectors and are definitely inferior to the later but similarly priced HF-225. The HF-225 Europa and HF-150E also command premiums that for a newbie SWL may be unjustified.

Hope this lengthy 'epistle' is of interest but please remember, these are just my thoughts and receiver purchase is a very personal decision just like Hi-Fi ;-)
I own a collection of Lowe receivers tat includes the HF-125, HF-225, HF-150 and HF-250 .. so from that you could reasonably assess that I am someone who can't make up his mind J but the truth is, I just like Lowe receivers as they Are a great British product from better, less troubled, times when HF radio was very much alive and active.

Best Wishes

Fraser

135. Re: HF-150 or HF-225 - which is best for newbie SW listener?

Yahoo group: Lowe_Receivers
Date: 2009-11-29 20:26:33 UTC
From: mikey
Topic: 132 Message: 135

brilliantly written.....an excellent "article" that should be circulated everywhere to clear up all the confusion on the 150 and 225.

I have only one thing to add. I hate the fact that the 150 uses the narrow 2.5 filter when in the sync mode. I think this is a terrible mistake, it would be awesome with the 7 filter, this based on my use of the sync in the satellit 800 and Eton E1 where I have never needed to use a narrow filter when in the selectable sideband sync mode.

>
> The HF-225 is, in my opinion, an excellent receiver with very respectable RF performance. Sadly it was built into a case that to my eyes does not do it justice. It has the appearance of a DIY or cottage industry produced product whereas the HF-150 is a piece of engineering art like some high end Hi-Fi equipment....more of this in a minute.
>
> It is my understanding that the HF-225 had (has) an excellent reputation but Lowe realised that the cost was a little high for some areas of the customer marketplace. The HF-150 was designed to fill the gap just below the price-point of the HF-225 without actually replacing its older brother in the market. For this reason, as John has stated, it was most definitely a cut-down version of the HF-225.
>
> In terms of the losses, I should make clear that I am a fan of the HF_150 design and hence I am biased towards it. The loss of the S Meter, thought not great does not prevent the receiver delivering excellent performance and I must be honest, I do not use S Meters for anything important these days, they just look nice ! The loss of filter options is significant as I am a great believer in the correct bandwidth IF for the target transmission. I personally have not had significant issues with the two provided filters and if IU did, I would change them ! The HF-225 definitely wins on IF filter options though. The decision to remove the front-end bandpass filters in the HF-150 design, was, in my opinion the single greatest mistake. I fully understand the financial reasoning but I personally believe that even a simplified band-pass filter set would have been worth the additional cost. This deficiency in the design left the HF-150 open to criticism, some justified, some not, regarding the RF performance in crowded RF spectrums. Once again the 0 to 30 MHZ open front end has not caused me great issues as I live in the country and mainly use tuned loop antennas. It is interesting to note that the famous AOR AR7030 receiver has a wide open front end from 0 to 30 MHz yet still achieves superb performance due to an ultra linear front end design.
>
> Lowe responded to the HF-150 deficiencies by producing add-on `modules' that provide performance improvement and additional facilities. The most important of these modules is the PR-150 preselector that provides the much needed front end filtering. The PR-150 has a deserved reputation for being an excellent quality preselector that can be used with any HF receiver so has been popular with other user bases outside Lowe circles. It could be argued that the PR-150 provides superior RF front end performance to that of the fixed bandpass set in the HF-225 and many other receiver designs. Lowe went on to produce the AP-150 (nee SP-150) to provide a filtered audio, bigger loudspeaker and S Meter. I own one, and in my opinion the AF side id unnecessary as the HF-150 can manage without it, but the S Meter has some benefit for users. If Lowe had produced a separate S Meter as an option, I believe it would have sold well. AOR did this for the AR8600 and it looked good. I personally purchased the SP-150 for reasons of completeness only. The modular nature of the HF-150 could be considered an HF receiver system `in instalments' with owners buying improved performance as and when they could afford it. The `stack'of matching units is certainly unique and impressive to some. The downside of this modular approach is that after purchasing the three modules, the total financial outlay far exceeded the price of a brand new state of the art high performance HF receiver that had all the capabilities in one more portable design. Think AOR AR7030 and you will see what I mean.

>
> The HF-150 does offer additional facilities to those of the HF-225. The ability to select sidebands when using the well respected AM synchronous detector is a significant improvement over earlier designs and it is still considered by many to be one of the most effective implementations of AMS of that era. The HF-225 cannot easily be connected to a computer for computer control. The HF-150 uses the IF-150 `intelligent' interface module to communicate with a PC via the serial port. There are several remote control programs available for the HF-150. Be aware that the PR-150 and SP-150 are not remote controllable so internet controlled receiver set ups must use the HF-150 on it's own. An infra red remote control is still available for both the HF-150 and HF-225 if desired. Both normally use the very useful wired keypad made by Lowe.
>
> Now to the aesthetics issue. As I have said, the HF-225 appearance IMHO leaves a little to be desired when compared with Japanese competitors of the era. Appearances are deceptive however and the old adage of judging a book by it's cover applies ! HOWEVER customers can be swayed by appearances. The HF-150 on the other hand is an engineering work of art that is minimalist yet perfectly formed and does not look out pf place as pert of a Hi-Fidelity installation in a living room. This attractive appearance has not been lost on the marketplace and the HF-150 is still a hot seller on the used market. Some are used for SW Broadcast reception in living rooms . The HF-225 would look a little uncomfortable in such environs and many house-proud wives might object ;-) The HF-150 is also very robust and small making it eminently suitable for portable operation with it's convenient internal battery packs. It certainly makes a very neat portable station provided you do not require the PR-150 as well !
>
> The effect of appearances should not be underestimated. On eBay the final prices of HF-225 receivers can be significantly less than an HF-150 which on purely technical terms is somewhat illogical. I have purchased excellent condition 225's for as little as £80 when 150's were selling for £120. The market place has become more expensive in light of the exchange rate changes, it has become economic for mainland Europeans to buy from the UK taking advantage of favourable Euro rates against the Pound. The result has been some eye watering final prices on HF-150 receivers of over £200 ! The HF-225 can usually still be had for a more reasonable £120 but I think the days of `cheap' Lowe receivers are, at least temporarily, gone. The aesthetic appeal of the HF-150 should not be underestimated and for that reason I would recommend the better value HF-225 to you.
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> With regard to buying faulty or `not tested' Lowe receivers . Most faults can be repaired relatively cheaply and the Lowe receivers are well designed and usually reliable. Blown front ends due to static are a more common failing and the HF-150 can suffer terribly if batteries are installed and allowed to leak. To repair a Lowe Rx you need good diagnostic and soldering skills. The Lowe receivers are no longer repaired by Lowe and I have had to withdraw my free repair service due to pressures of work so you should avoid `unknown' condition or faulty Lowe receivers unless you are willing to repair them yourself. Both Low and I hold spare parts but mine are for the HF-150 only.
>
> Finally I suggest you are not temped by the HF-125 if one appears on eBay. They often command quite high prices due to collectors and are definitely inferior to the later but similarly priced HF-225. The HF-225 Europa and HF-150E also command premiums that for a newbie SWL may be unjustified.
>
> Hope this lengthy 'epistle' is of interest but please remember, these are just my thoughts and receiver purchase is a very personal decision just like Hi-Fi ;-)
> I own a collection of Lowe receivers tat includes the HF-125, HF-225, HF-150 and HF-250 .. so from that you could reasonably assess that I am someone who can't make up his mind J but the truth is, I just like Lowe receivers as they Are a great British product from better, less troubled, times when HF radio was very much alive and active.
>
> Best Wishes
>
> Fraser

>

136. Re: HF-150 or HF-225 - which is best for newbie SW listener?

Yahoo group: Lowe_Receivers
Date: 2009-11-29 20:39:29 UTC
From: frasercastle
Topic: 132 Message: 136

--- In Lowe_Receivers@yahoogroups.com, "mikey" <mikemaghakian@...> wrote:
>
> brilliantly written.....an excellent "article" that should be circulated everywhere to clear up all the confusion on the 150 and 225.
>
> I have only one thing to add. I hate the fact that the 150 uses the narrow 2.5 filter when in the sync mode. I think this is a terrible mistake, it would be awesome with the 7 filter, this based on my use of the sync in the satellit 800 and Eton E1 where I have never needed to use a narrow filter when in the selectable sideband sync mode.
>
>
>
Having read my message again I must apologise for the many typos that it contains.... a result of my hurried lifestyle and poor speed typing I'm afraid. I will clean it up a little, add yours and John's comments and place it in the Files area for those who wish to read it in the future.

Best Wishes

Fraser

137. HF-225 alignment

Yahoo group: Lowe_Receivers
Date: 2009-11-30 11:57:19 UTC
From: jonbignall
Topic: 137 Message: 137

Hi all.

I wonder if someone can advise me.

I have a Lowe HF-225 which I bought new in about 1992 which I still use regularly. In some respects I prefer it to the Lowe modified JRC NRD-535 that I have. The audio is definitely nicer on AM.

There is one minor irritation on SSB however - it seems to be fractionally off frequency, perhaps by 20 or 30 Hz. For example if listening to a station on USB I have to tune slightly LF to get a natural sounding voice. Because the frequency readout is only to the nearest KHz it then appears that the display is 1 KHz out.

I have never particularly worried about this niggle but I wonder how easily it could be remedied. If it needs heaps of test gear and specialised skill I probably won't bother, but if it's fairly simple I might be tempted to try it.

Does anyone have any thoughts?

Thanks to all for making this group so useful and interesting.

Regards

Jon Bignall

138. Re: HF-225 alignment

Yahoo group: Lowe_Receivers
Date: 2009-11-30 12:47:08 UTC
From: frasercastle
Topic: 137 Message: 138

--- In Lowe_Receivers@yahoogroups.com, "jonbignall" <jonathan.bignall@...> wrote:
>
> Hi all.
>
> I wonder if someone can advise me.
>
> I have a Lowe HF-225 which I bought new in about 1992 which I still use regularly. In some respects I prefer it to the Lowe modified JRC NRD-535 that I have. The audio is definitely nicer on AM.
>
> There is one minor irritation on SSB however - it seems to be fractionally off frequency, perhaps by 20 or 30 Hz. For example if listening to a station on USB I have to tune slightly LF to get a natural sounding voice. Because the frequency readout is only to the nearest KHz it then appears that the display is 1 KHz out.
>
> I have never particularly worried about this niggle but I wonder how easily it could be remedied. If it needs heaps of test gear and specialised skill I probably won't bother, but if it's fairly simple I might be tempted to try it.
>
> Does anyone have any thoughts?
>
> Thanks to all for making this group so useful and interesting.
>
> Regards
>
> Jon Bignall
>

John,

Frequency alignment of the HF-225 isn't too difficult but some decent test kit is required if done with any reliable accuracy. There are two ocillators and three adjustments involved. It may be possible to align the oscillators using an off the air accurate signal but I personally would not recommend it.

The Reference oscillator adjustment will be a good place to start the alignment. The receiver has to be placed in TEST mode then press Freq Select. The frequency must be measured accurately at TP3 (L.O.) The spec is 45.0000 MHZ +-20Hz. Adjustment is by TC201 on the control board. This adjustment requires the use of an accurate frequency counter with known reference oscillator accuracy otherwise thwe alignment will be pretty pointless.

You may wish to test the receiver for SSB performance at this point but the recommended route is to align the heterodyne oscillator. Whilst in TEST mode with USB selected a frequency counter is attached to TP4 (Audio). Press Filter Select. The reading should be 1378Hz +-10Hz. Adjustment is by TC3. Pressing MHZ Down should produce a reading 8.000Hz higher. Adjustment is by VR2. The process must be repeated several times and I personally

found it to be a tad tricky to get spot on. I like to set for minimum tolerance rather than that specified as acceptable in order to provide a margin for ageing and drift. I managed to achieve adjustment to within 2Hz of 1378Hz and exactly 8Hz difference in the second adjustment.

With these two sets of alignments completed you can stop to check your receivers performance. There are other alignment tasks that may be carried out but for frequency accuracy this should be enough. The full run down on the alignment may be found on Page 28 of the HF-225 service manual.

Kind Regards

Fraser

139. Re: HF-225 alignment

Yahoo group: Lowe_Receivers
Date: 2009-11-30 17:08:27 UTC
From: frasercastle
Topic: 137 Message: 139

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "jonbignall" <jonathan.bignall@> wrote:
> >
> > Hi all.
> >
> > I wonder if someone can advise me.
> >
> > I have a Lowe HF-225 which I bought new in about 1992 which I still use regularly. In some respects I prefer it to the Lowe modified JRC NRD-535 that I have. The audio is definitely nicer on AM.
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> > There is one minor irritation on SSB however - it seems to be fractionally off frequency, perhaps by 20 or 30 Hz. For example if listening to a station on USB I have to tune slightly LF to get a natural sounding voice. Because the frequency readout is only to the nearest KHz it then appears that the display is 1 KHz out.
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> > Does anyone have any thoughts?
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> > Thanks to all for making this group so useful and interesting.
> >
> > Regards
> >
> > Jon Bignall
> >
>
>
> John,
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> Frequency alignment of the HF-225 isn't too difficult but some decent test kit is required if done with any reliable accuracy. There are two ocillators and three adjustments involved. It may be possible to align the oscillators using an off the air accurate signal but I personally would not recommend it.
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>
> Kind Regards
>
> Fraser
>

As a follow on from this.....

Anyone trying to align an HF-250 should be aware that the HF-225 alignment procedure is valid but the heterodyne oscillator frequencies are different. I can't recall the HF-250 frequencies but probably have them written down somewhere if required.

Fraser

140. Re: HF-225 alignment

Yahoo group: Lowe_Receivers
Date: 2009-11-30 18:32:23 UTC
From: jonbignall
Topic: 137 Message: 140

Hi Fraser.

Many thanks for the info. Much appreciated.

I think perhaps I won't risk doing this until I can get access to suitable equipment and can devote adequate time to the task. I was tempted to try tweaking using an off air signal, but in the light of your comments I've gone off that idea!

For the time being I'll use it as it is, it still receives perfectly well and hears everything the JRC can.

Thanks again.

Jon

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
> >
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, "jonbignall" <jonathan.bignall@> wrote:
> > >
> > > Hi all.
> > >
> > > I wonder if someone can advise me.
> > >
> > > I have a Lowe HF-225 which I bought new in about 1992 which I still use regularly. In some respects I prefer it to the Lowe modified JRC NRD-535 that I have. The audio is definitely nicer on AM.
> > >
> > > There is one minor irritation on SSB however - it seems to be fractionally off frequency, perhaps by 20 or 30 Hz. For example if listening to a station on USB I have to tune slightly LF to get a natural sounding voice. Because the frequency readout is only to the nearest KHz it then appears that the display is 1 KHz out.
> > >
> > > I have never particularly worried about this niggle but I wonder how easily it could be remedied. If it needs heaps of test gear and specialised skill I probably won't bother, but if it's fairly simple I might be tempted to try it.
> > >
> > > Does anyone have any thoughts?
> > >
> > > Thanks to all for making this group so useful and interesting.
> > >

> > > Regards
> > >
> > > Jon Bignall
> > >
> >
> >
> > John,
> >
> > Frequency alignment of the HF-225 isn't too difficult but some decent test kit is required if done with any reliable accuracy. There are two ocillators and three adjustments involved. It may be possible to align the oscillators using an off the air accurate signal but I personally would not recommend it.
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> > The Reference oscillator adjustment will be a good place to start the alignment. The receiver has to be placed in TEST mode then press Freq Select. The frequency must be measured accurately at TP3 (L.O.) The spec is 45.0000 MHZ +-20Hz. Adjustment is by TC201 on the control board. This adjustment requires the use of an accurate frequency counter with known reference oscillator accuracy otherwise thwe alignment will be pretty pointless.
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> > With these two sets of alignments completed you can stop to check your receivers performance. There are other alignment tasks that may be carried out but for frequency accuracy this should be enough. The full run down on the alignment may be found on Page 28 of the HF-225 service manual.
> >
> > Kind Regards
> >
> > Fraser
> >
>
>
> As a follow on from this.....
>
> Anyone trying to align an HF-250 should be aware that the HF-225 alignment procedure is valid but the heterodyne oscillator frequencies are different. I can't recall the HF-250 frequencies but probably have them written down somewhere if required.
>
> Fraser
>

141. Just a short note.

Yahoo group: Lowe_Receivers
Date: 2009-12-23 09:20:18 UTC
From: driftermick
Topic: 141 Message: 141

To Fraser, and the group.

Best of the Holidays to all.

and a great New Year.

yep, i'm still here. just way too

busy to post. still, trying to retire.

Drifter...

142. Re: Just a short note.

Yahoo group: Lowe_Receivers
Date: 2009-12-24 16:02:44 UTC
From: frasercastle
Topic: 141 Message: 142

--- In Lowe_Receivers@yahoogroups.com, "driftermick" <driftermick@...> wrote:
>
> To Fraser, and the group.
>
> Best of the Holidays to all.
>
> and a great New Year.
>
> yep, i'm still here. just way too
>
> busy to post. still, trying to retire.
>
> Drifter...
>

Hi Drifter,

Good to hear from you. I have been in the background of recent as well. Not for lack of interest but sadly very little time to post any messages or documents. I've been doing quite a bit of R&D work in my evenings for an electonics company and I'm affraid that has to take priority over my hobby. Maybe 2010 will be a little easier.. we can but hope.

Merry Christmas to the members of this group and their families.

Fraser

143. Lowe SRX-50

Yahoo group: Lowe_Receivers
Date: 2009-12-24 16:16:23 UTC
From: frasercastle
Topic: 143 Message: 143

All,

I have just procured an "as-new" SRX-50 out of pure curiosity rather than need. The unit arrived today complete with instructions. Having briefly used the receiver, I can best describe it's performanace as 'interesting' and will leave it at that. The receiver is also known as te Amsonic AS-908, Yorx AS-908 and Morphy Richards R191.

If anybody in the Group requires any assistance on SRX-50 related topics I hope to be able to assist. I will scan and upload the instructions as soon as possible as they seem nigh on impossible to find on the NET.

My original intention to review the receivers performance is on hold for the time being as other projects are taking priority.

Fraser

144. Re: Just a short note.

Yahoo group: Lowe_Receivers
Date: 2009-12-24 19:18:16 UTC
From: driftermick
Topic: 141 Message: 144

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
> --- In Lowe_Receivers@yahoogroups.com, "driftermick" <driftermick@> wrote:
> >
> > To Fraser, and the group.
> >
> > Best of the Holidays to all.
> >
> > and a great New Year.
> >
> > yep, i'm still here. just way too
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> > busy to post. still, trying to retire.
> >
> > Drifter...
> >
>
> Hi Drifter,
>
> Good to hear from you. I have been in the background of recent as well. Not for lack of interest but sadly very little time to post any messages or documents. I've been doing quite a bit of R&D work in my evenings for an electonics company and I'm affraid that has to take priority over my hobby. Maybe 2010 will be a little easier.. we can but hope.
>
> Merry Christmas to the members of this group and their families.
>
> Fraser
>
Fraser.

Sounds like your back to work. I don't mind the work, it's
just that it feels like i'm the only one who can do it. (and,
i'm not), just the senior here. nothing against the younger guys,
it's just that i will do the work, and on time, at the least
cost. seems that this newer/ younger guys don't seem to go
after it like my generation does. and that includes my 2 sons.
i just go and getter done. the guys under me want to talk it
to death first. then, they want to do it next week. maybe i
was the same way at that age too. i'm north of 60 now, and
every time i try to retire, the company throws a little more
money at me. makes it rough. with all the people out of work
right now, i feel guilty. i'm off 2 weeks for the Holidays.
which is unusual for me. but, i'm tired,and need to recharge
the old batteries. but, i know, first of the new year i'll

be ready to go again. so, as long as my health is good, my radios will have to wait. hope you are well.

Drifter...

145. FOR SALE LOWE 150 PARTS

Yahoo group: Lowe_Receivers
Date: 2010-02-20 15:37:49 UTC
From: Dale
Topic: 145 Message: 145

I have:

A brand new silk screened plastic overlay for the front panel

Front panel with a few scratches around the volume knob hole - where a previous owner had no clue how to remove the volume knob

Brand new LCD display- just the glass diplay

Brand new main tuning knob.

I would prefer to sell these as a lot.

Tnx,
Dale W4OP

146. HF-225 Whip and AMS Options

Yahoo group: Lowe_Receivers
Date: 2010-03-07 11:09:16 UTC
From: Tracey Gardner
Topic: 146 Message: 146

Hello All

Would anyone like to take a stab at what the going rate would be for the Whip Option Board (W-225) and the AMS/FM option boards (D-225) for the HF-225?

Thanks

Tracey

147. Re: HF-225 Whip and AMS Options

Yahoo group: Lowe_Receivers
Date: 2010-03-07 11:59:42 UTC
From: frasercastle
Topic: 146 Message: 147

--- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <tracey.gardner@...> wrote:
>
>
> Hello All
>
> Would anyone like to take a stab at what the going rate would be for the
> Whip Option Board (W-225) and the AMS/FM option boards (D-225) for the
> HF-225?
>
> Thanks
>
> Tracey
>

Hi Tracey,

An interesting question as both are unavailable new and as rare as hens teeth !

I am not sure whether you are looking to sell or buy but here is my 2 Cents worth:

The W-225 whip pcb is a desirable but not essential option for many HF-225 and HF250 owners. IIRC the W-225/W-250 used to be available from lowe for £15 making it preferable to buy instead of DIY. Lowe have since sold out so it is a sellers market. To buy an external active antenna would cost around £50 for a used Palstar AA30.

I believe that £20 - £25 would not be an unreasonable start point for a W-225.

The D-225 is a slightly different kettle of fish. This option provides the user with very useful functionality above and beyond that offered by the standard HF-225. The addition of FM demodulation is of questionable usefulness to many SWL's but the Sync AM mode is very useful and desirable (not as good as the HF-150 but still good)

Lowe are out of stock of the D-225 but sell the D-250 for £35 with instructions for converting it back to D-225 spec. Time is money and teh conversion is not as simple as buying an D-225 board ready to fit. A D-225 original board has to be worth around £45.

On ebay anything can happen and Lowe equipment prices seem buoyant at the moment.

I might add that I vcan coount on oner hand the number of auctions selling the W-225 and D-225 options.... it is most unusual for such options to be sold separately and not many HF-225's get broken for parts ! Lowe receiver NOS is a bit of a Holy Grail quest.... I even chased some NOS parts all the way to Germany !

I used to buy an HF-225 without D-225 and W-225 for around £90- £110 and £112-£136 with D-225 and W-225.... those days were not that long ago either !

Best Wishes

Fraser

148. Re: HF-225 Whip and AMS Options

Yahoo group: Lowe_Receivers
Date: 2010-03-08 03:49:35 UTC
From: DonW
Topic: 146 Message: 148

I am hoping to build the W-225 since the circuit looks fairly simple, they are no longer available from Lowe and prices can be quite high on Ebay however this may be our last chance to purchase any other parts that are being sold from the Lowes web site:

http://www.lowe.co.uk/retail_secondhand.htm .

Here is the reply I received from Tony Mikol at Lowe on some parts I wanted for a HF-225 I recently purchased from a guy in the UK.

We have all of what is listed on the site: http://www.lowe.co.uk/retail_secondhand.htm.
We don't have any Lowe Listener's Guide and there's no Europa info. Also there never was a specific service manual for the Europa radio versions. No blank whip boards either.

You can order with a credit card number and expiry date. Please include the 3 digit security number at the end of the signature strip. Send this information by e-mail reply or by phone or fax as below. Please note that we don't accept American Express cards - really high commission.

I'm a bit of a one-man-band here re the Lowe receiver parts - the boss would sooner have me chuck the lot in the skip....

Best Regards,

Tony Mikol

Technical Manager
Lowe Electronics Ltd
Sandyhill Park Direct 01629 821474
Middleton Fax 820800
Matlock Tel 820820
Derbyshire DE4 4LR
www.lowe.co.uk

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <tracey.gardner@> wrote:
> >
> >
> > Hello All
> >
> > Would anyone like to take a stab at what the going rate would be for the
> > Whip Option Board (W-225) and the AMS/FM option boards (D-225) for the
> > HF-225?
> >

> > Thanks
> >
> > Tracey
> >
>
>
> Hi Tracey,
>
> An interesting question as both are unavailable new and as rare as hens teeth !
>
> I am not sure whether you are looking to sell or buy but here is my 2 Cents worth:
>
> The W-225 whip pcb is a desirable but not essential option for many HF-225 and HF250 owners. IIRC the W-225/W-250 used to be available from lowe for £15 making it preferable to buy instead of DIY. Lowe have since sold out so it is a sellers market. To buy an external active antenna would cost around £50 for a used Palstar AA30.
>
> I believe that £20 - £25 would not be an unreasonable start point for a W-225.
>
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>
> Lowe are out of stock of the D-225 but sell the D-250 for £35 with instructions for converting it back to D-225 spec. Time is money and teh conversion is not as simple as buying an D-225 board ready to fit. A D-225 original board has to be worth around £45.
>
> On ebay anything can happen and Lowe equipment prices seem buoyant at the moment.
>
> I might add that I vcan coount on oner hand the number of auctions selling the W-225 and D-225 options.... it is most unusual for such options to be sold separately and not many HF-225's get broken for parts ! Lowe receiver NOS is a bit of a Holy Grail quest.... I even chased some NOS parts all the way to Germany !
>
> I used to buy an HF-225 without D-225 and W-225 for around £90- £110 and £112-£136 with D-225 and W-225.... those days were not that long ago either !
>
> Best Wishes
>
> Fraser
>

149. Re: HF-225 Whip and AMS Options

Yahoo group: Lowe_Receivers
Date: 2010-03-08 19:45:05 UTC
From: frasercastle
Topic: 146 Message: 149

--- In Lowe_Receivers@yahoogroups.com, "DonW" <kd6uvt@...> wrote:
>
> I am hoping to build the W-225 since the circuit looks fairly simple, they are no longer available from Lowe and prices can be quite high on Ebay however this may be our last chance to purchase any other parts that are being sold from the Lowes web site:
>

Hi Don,

Glad to hear you are considering making a whip amplifier module. In case you haven't seen it, there are details of a PCB in the Files area of this group under "Lowe related Projects". Credit to G8JMB who kindly produced this information. I also have photographs of the Lowe W-225 pcb if your need them. The only unknown component is the Binocular core type. I think a bit of experimentation would be in order here ;-)

With regard to Tony M. The man is a hero ! It would appear that the Lowe company lost any serious interest in the support of Lowe receivers quite some time ago. This is understandable considering the age of the receivers and the fact that Lowe have moved into new fields of excellence. Tony is a keen supporter of the Lowe receivers and our little community. Many are the occasions when I have phoned him for "this or that" obscure part for a broken Lowe receiver, and on almost every occasion he has been able to help me. I don't think Tony will be giving up his "one man band" support for our receivers any time soon but your comment on buying parts whilst they are still available is very sensible. I have a good stock of spares for my receivers including spare front panels as these can degrade with age. I can honestly say that Tony is from a by gone era when customer service and support was important..... we are lucky to have him supporting us as there really isn't any real money in it these days.

It is worth noting that I and others in this group purchased large quantities of HF-150 electronic spares from SMC when they disposed of their old stock. Many of the chips in the HF-150 are the same as those used in other Lowe receivers so we are well equipped for the future. I no longer offer my free repair service due to other commercial commitments but I am still willing to supply NOS Lowe related components if I hold stock. If Tony cannot help, send me an email and maybe I can.

73's

Fraser

150. for sale HF-225 with lots of extras

Yahoo group: Lowe_Receivers
Date: 2010-03-08 20:43:56 UTC
From: mikey
Topic: 150 Message: 150

I never thought I would do it but I am now selling my premium HF-225 system.

HF-225 (works excellent, cosmetics VG)
whip amp option installed
sync board option installed
I have upgraded 3 of the cheap IF filters to premium Murata filters for outstanding selectivity
internal speaker upgraded
I have installed white LEDs for the S-meter and digital display

Lowe keypad
SWL-remote wireless remote with universal remote (http://www.swl-remotes.com/features/lowehf225.html)

Original user manual, listener guide and receipt from the UK

rare original carry case in excellent condition

looking for the power supply, it may be a generic (I was using it off an external battery

PICS:

http://s484.photobucket.com/albums/rr205/mmaghakian/225package/

http://s484.photobucket.com/albums/rr205/mmaghakian/225case/

price is $725

151. Hf-225 "glitches"

Yahoo group: Lowe_Receivers
Date: 2010-03-09 10:59:37 UTC
From: davelimmer@rocketmail.com
Topic: 151 Message: 151

Hi all,

Just bought an HF-225 from eBay, and I'm really enjoying using it - it's certainly worlds better than the ex-military gear I last used many years ago! It's the first receiver I've owned to use frequency synthesis and I'm a little unsure what to expect.

On AM, all seems to work well. On USB/LSB, when tuning through a carrier, there are two or three "glitches" apparent in the passband, where the frequency seems to jump or become unstable for a fraction of a second. Curiously, it doesn't happen in CW mode.

Anyone have any ideas what might be causing this, and what the solution might be? I'm reasonably technically adept, though a few years behind the curve, so I'd be happy to tackle it myself if needs be.

Many thanks,

Dave Limmer

152. Re: Hf-225 "glitches"

Yahoo group: Lowe_Receivers
Date: 2010-03-13 18:13:52 UTC
From: frasercastle
Topic: 151 Message: 152

--- In Lowe_Receivers@yahoogroups.com, "davelimmer@..." <davelimmer@...> wrote:
>
> Hi all,
>
> Just bought an HF-225 from eBay, and I'm really enjoying using it - it's certainly worlds better than the ex-military gear I last used many years ago! It's the first receiver I've owned to use frequency synthesis and I'm a little unsure what to expect.
>
> On AM, all seems to work well. On USB/LSB, when tuning through a carrier, there are two or three "glitches" apparent in the passband, where the frequency seems to jump or become unstable for a fraction of a second. Curiously, it doesn't happen in CW mode.
>
> Anyone have any ideas what might be causing this, and what the solution might be? I'm reasonably technically adept, though a few years behind the curve, so I'd be happy to tackle it myself if needs be.
>
> Many thanks,
>
> Dave Limmer
>

Hi Dave,

As no one else has responded I thought I would just to let you know you are not being ignored ;-)

Without actually having the receiver in front of me it is hard to assess whether it is performaing correctly. Digital tuning is done in steps ther than the gorgeous linear tuning of the analogue VFO's of old. The step size on the HF-225 is a pretty reasonable 8Hz so it should tune smoothly across a carrier without noticeable glitches or hops.

In a case such as yours, I would usually test the receiver against the oscillator calibration specifications found in the service manual. If all was not as it should be, I would fully calibrate the receiver in accordance with the service manual. The Heterodyne oscillator can sometimes be way off specification.

Not really a definitive answer to your question but I am affraid it's the best I can suggest without "hands on" the receiver.

Note, if the PLL goes out of lock the receiver audio is usually muted. I have not come across a Lowe receiver with a "lazy" PLL to date and I own, and have repaired, quite a number of them.

Best Wishes

Fraser

153. Re: Hf-225 "glitches"

Yahoo group: Lowe_Receivers
Date: 2010-03-13 22:18:19 UTC
From: davelimmer@rocketmail.com
Topic: 151 Message: 153

Hi Fraser,

Many thanks for the reply - I'll print out the relevant sections of the service manual and see if I can find a quiet couple of hours to digest all the info. And then I'll see if I'm brave enough to try it!

I should make it clear that these odd little "glitches" don't detract from my enjoyment of what is most certainly the best receiver I've ever owned, and I can live with them if there's no ready cure. Just becoming something of a perfectionist in my old age, I guess!

I'll keep you posted in any case.

Regards,

Dave

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "davelimmer@" <davelimmer@> wrote:
> >
> > Hi all,
> >
> > Just bought an HF-225 from eBay, and I'm really enjoying using it - it's certainly worlds better than the ex-military gear I last used many years ago! It's the first receiver I've owned to use frequency synthesis and I'm a little unsure what to expect.
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> > On AM, all seems to work well. On USB/LSB, when tuning through a carrier, there are two or three "glitches" apparent in the passband, where the frequency seems to jump or become unstable for a fraction of a second. Curiously, it doesn't happen in CW mode.
> >
> > Anyone have any ideas what might be causing this, and what the solution might be? I'm reasonably technically adept, though a few years behind the curve, so I'd be happy to tackle it myself if needs be.
> >
> > Many thanks,
> >
> > Dave Limmer
> >
>
> Hi Dave,
>
> As no one else has responded I thought I would just to let you know you are not being ignored ;-)
>

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> Note, if the PLL goes out of lock the receiver audio is usually muted. I have not come across a Lowe receiver with a "lazy" PLL to date and I own, and have repaired, quite a number of them.
>
> Best Wishes
>
> Fraser
>

154. Re: Hf-225 "glitches"

Yahoo group: Lowe_Receivers
Date: 2010-03-14 10:05:59 UTC
From: frasercastle
Topic: 151 Message: 154

Hi Dave,

I am pleased to advise that the oscillator calibration procedure is no too complex in the Lowe HF-225. Not like aligning some of teh old analogue receivers such as the Racal RA17 !

The built in test mode simplifies matters and it will be a case of checking that the 1st LO frequency is spot on 45MHz and that teh Heterodyne oscillator meets the specification as detailed. The 1st LO coil T1 may be checked using a multimeter alons as the vrious tuning voltages for testing are provided. I advise against "tweaking" the windings of T1 unless there is no other choice. Once ste at the factory, T1 usually stays within tolerance unless it has been touched subsequently by an owner.

It is very important to have a good quality frequency counter that is accurate. The adjustment of the Heterodyne oscillator is a fiddly process and requires some patience.

I am pleased to say that the Lowe receiver range are very well designed and usually require very little inthe way of adjustment. When they do, they require relatively standard equipment. Some RF adjustments do require a SINAD meter but that is about as exotic as things get.

My only Caveat on the above statement is that some HF-225's are "improved" by owners who believe tweaking adjustments pots, variable caps and coils can be done by ear. This is not a reliable strategy and usually ends in tears. The only exception MAY be the TC1 variable capacitor on the AMS board as this does respond to slight adjustment "by ear" wihout a detrimental effect on the rest of the receiver.

Kind Regards

Fraser

--- In Lowe_Receivers@yahoogroups.com, "davelimmer@..." <davelimmer@...> wrote:
>
>
>
> Hi Fraser,
>
> Many thanks for the reply - I'll print out the relevant sections of the service manual and see if I can find a quiet couple of hours to digest all the info. And then I'll see if I'm brave enough to try it!
>
> I should make it clear that these odd little "glitches" don't detract from my enjoyment of what is most certainly the best receiver I've ever owned, and I can live with them if there's no ready cure. Just becoming something of a perfectionist in my old age, I guess!
>
> I'll keep you posted in any case.
>
> Regards,

>
> Dave
>
> --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
> >
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, "davelimmer@" <davelimmer@> wrote:
> > >
> > > Hi all,
> > >
> > > Just bought an HF-225 from eBay, and I'm really enjoying using it - it's certainly worlds better than the ex-military gear I last used many years ago! It's the first receiver I've owned to use frequency synthesis and I'm a little unsure what to expect.
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> > > On AM, all seems to work well. On USB/LSB, when tuning through a carrier, there are two or three "glitches" apparent in the passband, where the frequency seems to jump or become unstable for a fraction of a second. Curiously, it doesn't happen in CW mode.
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> > > Anyone have any ideas what might be causing this, and what the solution might be? I'm reasonably technically adept, though a few years behind the curve, so I'd be happy to tackle it myself if needs be.
> > >
> > > Many thanks,
> > >
> > > Dave Limmer
> > >
> >
> > Hi Dave,
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> > As no one else has responded I thought I would just to let you know you are not being ignored ;-)
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> > Without actually having the receiver in front of me it is hard to assess whether it is performaing correctly. Digital tuning is done in steps ther than the gorgeous linear tuning of the analogue VFO's of old. The step size on the HF-225 is a pretty reasonable 8Hz so it should tune smoothly across a carrier without noticeable glitches or hops.
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> > Note, if the PLL goes out of lock the receiver audio is usually muted. I have not come across a Lowe receiver with a "lazy" PLL to date and I own, and have repaired, quite a number of them.
> >

> > Best Wishes
> >
> > Fraser
> >
>

155. Coming Soon?

Yahoo group: Lowe_Receivers
Date: 2010-03-14 22:40:45 UTC
From: a aa
Topic: 155 Message: 155

John Thorpe is putting the finishing touches on his latest creation, the AOR 7070.

See: http://www.xs4all.nl/~martein/pa3ake/hmode/g3sbi_intro.html

I wonder how much it will cost and how it will affect second-hand values of his Lowe and AOR designs.

156. Re: Coming Soon?

Yahoo group: Lowe_Receivers
Date: 2010-03-17 22:39:06 UTC
From: frasercastle
Topic: 155 Message: 156

--- In Lowe_Receivers@yahoogroups.com, a aa <classwp@...> wrote:
>
> John Thorpe is putting the finishing touches on his latest creation,
> the AOR 7070.
>
> See: http://www.xs4all.nl/~martein/pa3ake/hmode/g3sbi_intro.html
>
> I wonder how much it will cost and how it will affect second-hand
> values of his Lowe and AOR designs.
>

AOR are being very brave to release a new HF receiver in the current economic climate. Lowe had experience of how hard the market can be when times are tough. I wish them luck and think they will need it.

On the professional radio front I am seeing development moving more towards SDR's with super wide band front ends and the ability to digitally capture huge spans of the spectrum and parallel process the signals in DSP. Very little analogue technology left in such receivers. It looks like Software Defined Receivers are the future of radio receivers. Having seen some of the technology, I am not even sure that receiver is an appropriate name for them. They are so much more ! Tektronix have been working on this technology for oscilloscopes and spectrum analysers but the best live spectrum capture I have seen on that front is a 16 MHz wide chunk that may be processed in all manner of ways to extract the desired signals, in isolation or many at the same time.

The future of professional radio looks very bright and interesting, not too sure about the amateur market though.

Fraser

157. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2010-04-14 18:25:40 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 157

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /SRX-50/User Manual/SRX-50-Cover.jpg
Uploaded by : frasercastle <fraser.castle@...>
Description :

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/SRX-50/User%20Manual/SRX-50-Cover.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>

158. SRX-50 Operation/User Manual uploaded

Yahoo group: Lowe_Receivers
Date: 2010-04-14 18:31:35 UTC
From: frasercastle
Topic: 158 Message: 158

Please be advised that I have uploaded the user manual for the Lowe SRX-50 budget HF receiver to the files area.

This manual appears to be unavailable on the internet and my original paper copy is cropped & not perfect, but better than nothing. Hope it's of use to someone.

Regards

Fraser

159. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2010-04-15 14:58:05 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 159

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /HF-225/D-250 conversion to D-225.pdf
Uploaded by : frasercastle <fraser.castle@...>
Description : Converting a Lowe supplied D-250 into a D-225

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/HF-225/D-250%20conversion%20to%20D-225.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>

160. HF-150, probably early lot

Yahoo group: Lowe_Receivers
Date: 2010-05-26 04:35:18 UTC
From: najrao66
Topic: 160 Message: 160

I have been handed this serial 132337, with some evidence of 1993 vintage. Very clean and pristine, with no signs of mutilation by careless rework. Powers up "OK'' at 120mA in for 12.6V. Tunes through to 30MHz on display, reports 60 memories and the various modes, and self-tests OK. No missing parts, cf. pictures and parts list in 'Tech Manual'. LO appears to be different from picture, no wire link to Q9.

There is no audio out, no hiss even at full volume, but the reg power supplies and Q25 (audio) are OK. No corrosion or bad joints detected so far. Tried 'unmuting' at TP7 (taken high), but no use.

I will go the end of the world to get this going again. Have some experience with repair, all tools of the trade, a 0.1 to 140MHz signal gen, 100MHz oscilloscope, and a selection of multimeters. But alas, my formal education was in power engg, and I may need much hand-holding.

My other receivers include an E1 and a SW55.

I wd appreciate any help from members of this group. What steps? Pls omit no detail, take into a/c that recipient was dropped on the head as a baby, but has since recovered. Specialist parts will be a problem as payment for them from India may involve govt restrictions, but still possible. Hv huge stock of possible substitute parts, but surely not Plessey IC's. I repair as far as possible, not replace: ON/OFF sw across J4 fails to turn on, but I will break it open and see if I can't set it up!

Thanks in advance, N.A.Janardan Rao, for that is my name.

161. Re: HF-150, probably early lot

Yahoo group: Lowe_Receivers
Date: 2010-05-26 23:01:06 UTC
From: frasercastle
Topic: 160 Message: 161

--- In Lowe_Receivers@yahoogroups.com, "najrao66" <najrao66@...> wrote:
>
>
> I have been handed this serial 132337, with some evidence of 1993
> vintage. Very clean and pristine, with no signs of mutilation by
> careless rework. Powers up "OK'' at 120mA in for 12.6V. Tunes through to
> 30MHz on display, reports 60 memories and the various modes, and
> self-tests OK. No missing parts, cf. pictures and parts list in 'Tech
> Manual'. LO appears to be different from picture, no wire link to Q9.
>
> There is no audio out, no hiss even at full volume, but the reg power
> supplies and Q25 (audio) are OK. No corrosion or bad joints detected so
> far. Tried 'unmuting' at TP7 (taken high), but no use.
>
> I will go the end of the world to get this going again. Have some
> experience with repair, all tools of the trade, a 0.1 to 140MHz signal
> gen, 100MHz oscilloscope, and a selection of multimeters. But alas, my
> formal education was in power engg, and I may need much hand-holding.
>
> My other receivers include an E1 and a SW55.
>
> I wd appreciate any help from members of this group. What steps? Pls
> omit no detail, take into a/c that recipient was dropped on the head as
> a baby, but has since recovered. Specialist parts will be a problem as
> payment for them from India may involve govt restrictions, but still
> possible. Hv huge stock of possible substitute parts, but surely not
> Plessey IC's. I repair as far as possible, not replace: ON/OFF sw across
> J4 fails to turn on, but I will break it open and see if I can't set it
> up!
>
> Thanks in advance, N.A.Janardan Rao, for that is my name.
>

Hiya,

Welcome to the group.

Holding response from me I'm affraid. I will provide comment if no one else cares to do so but rather than rush something into print now I will respond in slightly slower time (2 - 3 days).

Some very quick thoughts though.....

I have had at least one HF-150 suffer a faulty internal loudspeaker (broken litz wire to cone)

Can audio be heard when using an external speaker in the 'external LS' or 'phones' sockets ?

Another simple test that can be carried out quickly..... are you hearing any audio from the 'REC out' socket when using an external amplified speaker ? This is the output direct from Q11 (TP6) and removes the internal audio amplifier from the equation.

More advanced.... open up the HF-150 base plate only. Connect to Pin 15 of Q32(SL6700) with a small audio amplifier or oscilloscope and see if any audio is heard or seen in AM mode when tuned to your modulated signal generator output. This avoids the audio path switching IC Q18 and it's control.

That's enough for now (very busy at the moment). More later if required.

73's

Fraser

162. Re: [Lowe_Receivers] Re: HF-150, probably early lot

Yahoo group: Lowe_Receivers
Date: 2010-05-27 03:38:33 UTC
From: N.A.Janardan Rao
Topic: 160 Message: 162

Thanks Mr. Fraser. Hv already tried out independent audio input and you do get to hear report at speaker, as set up by the volume control.
I had to separate the two boards to extricate the volume control+switch. This done, I have unclinched the switsh part, and rstored the switch contacts by some needle file work. It has a pretty fiddly spring and getting it all back to one piece is real tricky, not for the faint hearted!
No ham, I, but 73's nevertheless! Janardan.

--- On Wed, 5/26/10, frasercastle <fraser.castle@...> wrote:

From: frasercastle <fraser.castle@...>
Subject: [Lowe_Receivers] Re: HF-150, probably early lot
To: Lowe_Receivers@yahoogroups.com
Date: Wednesday, May 26, 2010, 11:01 PM

--- In Lowe_Receivers@yahoogroups.com, "najrao66" <najrao66@...> wrote:
>
>
> I have been handed this serial 132337, with some evidence of 1993
> vintage. Very clean and pristine, with no signs of mutilation by
> careless rework. Powers up "OK'' at 120mA in for 12.6V. Tunes through to
> 30MHz on display, reports 60 memories and the various modes, and
> self-tests OK. No missing parts, cf. pictures and parts list in 'Tech
> Manual'. LO appears to be different from picture, no wire link to Q9.
>
> There is no audio out, no hiss even at full volume, but the reg power
> supplies and Q25 (audio) are OK. No corrosion or bad joints detected so
> far. Tried 'unmuting' at TP7 (taken high), but no use.
>
> I will go the end of the world to get this going again. Have some
> experience with repair, all tools of the trade, a 0.1 to 140MHz signal
> gen, 100MHz oscilloscope, and a selection of multimeters. But alas, my
> formal education was in power engg, and I may need much hand-holding.
>
> My other receivers include an E1 and a SW55.
>
> I wd appreciate any help from members of this group. What steps? Pls
> omit no detail, take into a/c that recipient was dropped on the head as
> a baby, but has since recovered. Specialist parts will be a problem as
> payment for them from India may involve govt restrictions, but still
> possible. Hv huge stock of possible substitute parts, but surely not
> Plessey IC's. I repair as far as possible, not replace: ON/OFF sw across
> J4 fails to turn on, but I will break it open and see if I can't set it
> up!
>
> Thanks in advance, N.A.Janardan Rao, for that is my name.

>

Hiya,

Welcome to the group.

Holding response from me I'm affraid. I will provide comment if no one else cares to do so but rather than rush something into print now I will respond in slightly slower time (2 - 3 days).

Some very quick thoughts though.....

I have had at least one HF-150 suffer a faulty internal loudspeaker (broken litz wire to cone)

Can audio be heard when using an external speaker in the 'external LS' or 'phones' sockets ?

Another simple test that can be carried out quickly..... are you hearing any audio from the 'REC out' socket when using an external amplified speaker ? This is the output direct from Q11 (TP6) and removes the internal audio amplifier from the equation.

More advanced.... open up the HF-150 base plate only. Connect to Pin 15 of Q32(SL6700) with a small audio amplifier or oscilloscope and see if any audio is heard or seen in AM mode when tuned to your modulated signal generator output. This avoids the audio path switching IC Q18 and it's control.

That's enough for now (very busy at the moment). More later if required.

73's

Fraser

163. Re: HF-150, probably early lot

Yahoo group: Lowe_Receivers
Date: 2010-05-30 19:51:31 UTC
From: frasercastle
Topic: 160 Message: 163

Group,

I am going to assist Janardan with this fault but rather than a blow by blow account of the process on the Group message board I will see if we can repair the receiver and then post the cause for others future reference. The fault will also be added to the 'known faults' database that already exists here.

Fraser

164. Lowe electronics is changing its name to Savox Communications

Yahoo group: Lowe_Receivers
Date: 2010-06-04 13:56:27 UTC
From: valleyjinker
Topic: 164 Message: 164

The name change in itself is not a big event, but since being involved with the Savox Group of companies, things aren't half moving fast there!

165. Re: [Lowe_Receivers] Lowe electronics is changing its name to Savox Communications

Yahoo group: Lowe_Receivers
Date: 2010-06-04 14:15:42 UTC
From: Tracey Gardner
Topic: 164 Message: 165

Does that mean that the URL for spares will be changing?

http://www.lowe.co.uk/retail_secondhand.htm

73s Tracey

----- Original Message -----
From: "valleyjinker" <antoni@...>
To: <Lowe_Receivers@yahoogroups.com>
Sent: Friday, June 04, 2010 2:56 PM
Subject: [Lowe_Receivers] Lowe electronics is changing its name to Savox Communications

>
> The name change in itself is not a big event, but since being involved
> with the Savox Group of companies, things aren't half moving fast there!
>
>

166. Re: Lowe electronics is changing its name to Savox Communications

Yahoo group: Lowe_Receivers
Date: 2010-06-04 14:24:11 UTC
From: valleyjinker
Topic: 164 Message: 166

That shouldn't happen for a good while...

--- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <tracey.gardner@...> wrote:
>
> Does that mean that the URL for spares will be changing?
>
> http://www.lowe.co.uk/retail_secondhand.htm
>
> 73s Tracey
>
> ----- Original Message -----
> From: "valleyjinker" <antoni@...>
> To: <Lowe_Receivers@yahoogroups.com>
> Sent: Friday, June 04, 2010 2:56 PM
> Subject: [Lowe_Receivers] Lowe electronics is changing its name to Savox
> Communications
>
>
> >
> > The name change in itself is not a big event, but since being involved
> > with the Savox Group of companies, things aren't half moving fast there!
> >
> >
>

167. Which Lowe group?

Yahoo group: Lowe_Receivers
Date: 2010-06-08 20:44:47 UTC
From: Robert Allen
Topic: 137 Message: 167

Quick question: which is the preferred Lowe group now? I recall we moved, but I'm still subscribed to both lists. One is Lowe_Receivers@yahoogroups.com and the other is lowe_hfreceivers@yahoogroups.com

Thanks,

Robert

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5183 (20100608) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

168. Re: Which Lowe group?

Yahoo group: Lowe_Receivers
Date: 2010-06-08 23:06:57 UTC
From: frasercastle
Topic: 137 Message: 168

--- In Lowe_Receivers@yahoogroups.com, "Robert Allen" <rallen@...> wrote:
>
> Quick question: which is the preferred Lowe group now? I recall we moved,
> but I'm still subscribed to both lists. One is
> Lowe_Receivers@yahoogroups.com and the other is
> lowe_hfreceivers@yahoogroups.com
>
> Thanks,
>
> Robert
>
>

Robert,

As owner of this Group I am of course biased ;-) BUT I subscribe to both groups as I will anser questions on either.

This group was created for two reasons. Firstly the safe and organised archive of Lowe related information (hence the file area structure) and secondly the avoidance of the dreaded SPAM that the other group is afflicted with. This group has a membership requirement as opposed to being public to filter out spammers. It also has active but light handed moderation, wheras the other does not.

The legacy group still seems to have an active membership which is good and I shall continue to occasionally monitor it. I will not, however, upload any information to the file area as I choose to do so only on this group.

If you can tolerate the SPAM on the legacy group, I recommend you remain a member of both. If you don't like what you see on this group then I will not be offended by your departure.

Best Wishes

Fraser

169. Brochures for the HF-250/E ???

Yahoo group: Lowe_Receivers
Date: 2010-06-09 22:41:00 UTC
From: frasercastle
Topic: 169 Message: 169

Hi all,

Have any Group members seen a final release brocure for the HF-250 or HF-250E please ? I have pictures of the pre-release brochure but wondered if that was superceded by a 'glossy' to accompany the receivers launch.

Many Thanks

Fraser

170. Little FYI for the group.

Yahoo group: Lowe_Receivers
Date: 2010-06-21 14:32:20 UTC
From: driftermick
Topic: 170 Message: 170

Hi gang. this is just for the people who have not heard, that AOR, is moving to W&S. First of July. W&S will be dist and repair for this great name. And, the new 7070 is supposed to still be in the pipeline. I have heard nothing from AOR-USA or AOR-Japan. I'm hoping this is not the down hill start for this great UK name. Would be a real shame.

Drifter...

171. Re: [Lowe_Receivers] Little FYI for the group.

Yahoo group: Lowe_Receivers
Date: 2010-06-21 16:07:52 UTC
From: Tracey Gardner
Topic: 170 Message: 171

As far as the name AOR UK goes, it is a cliff edge not a downhill slope.
Richard, Mark and Tony are closing down their company Rimarton and as far as
I am aware AOR UK will be consigned to history.
As I understand it , what badge the 7070 is produced under is still in the
melting pot, it could be an AOR receiver, but on the other hand it might not
be.
However it is still highly likely, but not 100%, that it will make it to
production

The economic climate has taken its toll of a first class small company

Tracey

----- Original Message -----
From: "driftermick" <driftermick@...>
To: <Lowe_Receivers@yahoogroups.com>
Sent: Monday, June 21, 2010 3:32 PM
Subject: [Lowe_Receivers] Little FYI for the group.

> Hi gang. this is just for the people who have not heard, that
> AOR, is moving to W&S. First of July. W&S will be dist and
> repair for this great name. And, the new 7070 is supposed
> to still be in the pipeline. I have heard nothing from AOR-USA
> or AOR-Japan. I'm hoping this is not the down hill start for
> this great UK name. Would be a real shame.
>
> Drifter...
>
>
>
>

172. Lowe HF-225 Europa vs Eton E1

Yahoo group: Lowe_Receivers
Date: 2010-06-22 05:38:09 UTC
From: britsnd@pacbell.net
Topic: 172 Message: 172

I have just acquired a Lowe HF-225 Europa, and I have been comparing it to my Eton E1 non XM model and I am a bit dismayed that the Eton does sound slightly better than the Lowe even though mine does have the Kiwa audio mods, mind you this is with both standard speakers, my big problem is the S meter readings, the Eton tracks my Yaesu Ft1000 MP pretty good the Lowe hardly moves the meter. I have previously owned a Lowe HF 150 and found it fabulous but it did not have a meter to distract me. Any ideas if this radio has problems

173. Re: for sale HF-225 with lots of extras

Yahoo group: Lowe_Receivers
Date: 2010-06-22 14:36:44 UTC
From: mikey
Topic: 150 Message: 173

this is still for sale or trade

--- In Lowe_Receivers@yahoogroups.com, "mikey" <mikemaghakian@...> wrote:
>
> I never thought I would do it but I am now selling my premium HF-225 system.
>
> HF-225 (works excellent, cosmetics VG)
> whip amp option installed
> sync board option installed
> I have upgraded 3 of the cheap IF filters to premium Murata filters for
> outstanding selectivity
> internal speaker upgraded
> I have installed white LEDs for the S-meter and digital display
>
> Lowe keypad
> SWL-remote wireless remote with universal remote (
> http://www.swl-remotes.com/features/lowehf225.html)
>
> Original user manual, listener guide and receipt from the UK
>
> rare original carry case in excellent condition
>
> looking for the power supply, it may be a generic (I was using it off an
> external battery
>
> PICS:
>
> http://s484.photobucket.com/albums/rr205/mmaghakian/225package/
>
> http://s484.photobucket.com/albums/rr205/mmaghakian/225case/
>
> price is $725
>

174. Re: Little FYI for the group.

Yahoo group: Lowe_Receivers
Date: 2010-06-22 16:53:54 UTC
From: driftermick
Topic: 170 Message: 174

Hi Tracy. I know nothing about W&S. but, I hate the thought
of over a cliff. A first class small company, I like that.
sure gonna miss Richard and the gang, good people.

Drifter...

--- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <tracey.gardner@...> wrote:
>
>
> As far as the name AOR UK goes, it is a cliff edge not a downhill slope.
> Richard, Mark and Tony are closing down their company Rimarton and as far as
> I am aware AOR UK will be consigned to history.
> As I understand it , what badge the 7070 is produced under is still in the
> melting pot, it could be an AOR receiver, but on the other hand it might not
> be.
> However it is still highly likely, but not 100%, that it will make it to
> production
>
> The economic climate has taken its toll of a first class small company
>
> Tracey
>
> ----- Original Message -----
> From: "driftermick" <driftermick@...>
> To: <Lowe_Receivers@yahoogroups.com>
> Sent: Monday, June 21, 2010 3:32 PM
> Subject: [Lowe_Receivers] Little FYI for the group.
>
>
> > Hi gang. this is just for the people who have not heard, that
> > AOR, is moving to W&S. First of July. W&S will be dist and
> > repair for this great name. And, the new 7070 is supposed
> > to still be in the pipeline. I have heard nothing from AOR-USA
> > or AOR-Japan. I'm hoping this is not the down hill start for
> > this great UK name. Would be a real shame.
> >
> > Drifter...
> >
> >
> >
> >
>

175. Re: Lowe HF-225 Europa vs Eton E1 and AOR

Yahoo group: Lowe_Receivers
Date: 2010-06-24 07:23:57 UTC
From: valleyjinker
Topic: 172 Message: 175

Not entirely sure from your text exactly which radio has the Kiwa mods.

The S-meter on a '225 was set carefully at the factory to indicate S9 plus ten for 158uV (PD) input signal. It's a "2 stage" S-meter circuit and should indicate closely with nother radio. If not the '225 may be faulty. I don't have a tech manual to hand for the exact injection figure but 158 should be within less than a dB of the figure in the manual.

Fascinated to hear abt AOR UK. Are Tony C and Mark S part owners of the company?

--- In Lowe_Receivers@yahoogroups.com, "britsnd@..." <britsnd@...> wrote:
>
> I have just acquired a Lowe HF-225 Europa, and I have been comparing it to my Eton E1 non XM model and I am a bit dismayed that the Eton does sound slightly better than the Lowe even though mine does have the Kiwa audio mods, mind you this is with both standard speakers, my big problem is the S meter readings, the Eton tracks my Yaesu Ft1000 MP pretty good the Lowe hardly moves the meter. I have previously owned a Lowe HF 150 and found it fabulous but it did not have a meter to distract me. Any ideas if this radio has problems
>

176. Re: [Lowe_Receivers] Brochures for the HF-250/E ???

Yahoo group: Lowe_Receivers
Date: 2010-06-26 13:26:30 UTC
From: crabtreejr@aol.com
Topic: 169 Message: 176

Hello Fraser et al.

The short answer is no. I only have a pre-release brochure.

73 John KC0G

In a message dated 6/9/2010 5:41:11 PM Central Daylight Time,
fraser.castle@... writes:
> Hi all,
>
> Have any Group members seen a final release brocure for the HF-250 or
> HF-250E please ? I have pictures of the pre-release brochure but wondered if
> that was superceded by a 'glossy' to accompany the receivers launch.
>
> Many Thanks
>
> Fraser
>

177. Manual for HF-250

Yahoo group: Lowe_Receivers
Date: 2010-06-28 08:04:37 UTC
From: Marc Berman
Topic: 177 Message: 177

I just purchased the above. I am getting back into shortwave listening after a 40 year absence and upon surfing Ebay ran across the Lowe HF-250 from a seller in Canada. There is tons of data, info and feedback on just about everything else. But anyway I saw this auction just about ending. There was only one bidder. I was the second bidder just minutes before the ending and I won it for $609. I have no idea if that is a good, bad or indifferent price. It simply intrigued me. I will receive it in about a week and let everyone know how it worked out. It does not come with a manual. I searched the internet to no avail. I even e-mailed an apparent well-known ham and SW listener in England and he couldn't help me. I went to an internet site that seems to have access to about every manual ever created for shortwave and ham gear, but Lowe seems to have been curiously left out. I have had a Yaesu FRG-7700 and soon will buy a Drake R8B from someone 2 hours away from me in northern California. I will also receive an Icom IC-R8500, which I bought from Ebay, for primarily VHF/UHF listening (I like to listen to 2 meters and local police, etc., haven't tuned in on 70 cm. yet, but will) and will also receive a JRC 535D, also from Ebay, shortly. If the Lowe is a dud I won't be without, but it seems like it would make a nice unit for the bedroom and for my wife if it works OK (according to the Ebay seller anyway). After 40 years of shortwave silence I decided to splurge. I guess I could unload some of this stuff at some point if I want. It seems the units I bought are somewhat in demand.....except for the Lowe!
Anyhow, if someone could come up with the manual for the 250 that would be great. Regards everyone.

178. Re: [Lowe_Receivers] Manual for HF-250

Yahoo group: Lowe_Receivers
Date: 2010-06-28 12:36:09 UTC
From: crabtreejr@aol.com
Topic: 177 Message: 178

The HF-250 manual is perfect bound, and cannot be laid flat for copying or scanning. That is why you will not find one in the files section of this group.

There is a very small chance that Lowe still have one available. See:
http://www.lowe.co.uk/retail_secondhand.htm
for contact details.

73 John KC0G

In a message dated 6/28/2010 4:16:59 AM Central Daylight Time,
maberma13@... writes:
> > snip >
> Anyhow, if someone could come up with the manual for the 250 that would be
> great. Regards everyone.
>

179. Re: [Lowe_Receivers] Manual for HF-250

Yahoo group: Lowe_Receivers
Date: 2010-06-28 15:08:29 UTC
From: Marc Berman
Topic: 177 Message: 179

Hi John,
Tony over there said they no 250 manuals and referred me back here. I asked to buy the optional (synchronous detector?) card and asked them to hire Harrison Ford to find a manual because it must have become a veritable antiquity. I told them that the manual must contain a secret code a la the Da Vinci Code. I asked them to name their price. Oh well, it is indeed a strange world of human souls.
Best Regards,
Marc

From: "crabtreejr@..." <crabtreejr@...>
To: Lowe_Receivers@yahoogroups.com
Sent: Mon, June 28, 2010 5:36:09 AM
Subject: Re: [Lowe_Receivers] Manual for HF-250

The HF-250 manual is perfect bound, and cannot be laid flat for copying or scanning. That is why you will not find one in the files section of this group.

There is a very small chance that Lowe still have one available. See:
http://www.lowe. co.uk/retail_ secondhand. htm
for contact details.

73 John KC0G

In a message dated 6/28/2010 4:16:59 AM Central Daylight Time, maberma13@yahoo. com writes:

> snip >
>>Anyhow, if someone could come up with the manual for the 250 that would be great. Regards everyone.
>

180. HF-250 Manual

Yahoo group: Lowe_Receivers
Date: 2010-06-29 00:50:41 UTC
From: Marc Berman
Topic: 180 Message: 180

I looked up "perfect binding" and National Geographic was used as an example of this. I don't understand why no one ever copied this manual since National Geographic can be opened up and placed on a scanner or copy machine. There might be a little distortion towards the spine, but, I imagine, most of the text and diagrams would be legible. Better than a poke in the eye one might say.

181. Re: Lowe HF-225 Europa vs Eton E1 and AOR

Yahoo group: Lowe_Receivers
Date: 2010-07-01 04:40:18 UTC
From: britsnd@pacbell.net
Topic: 172 Message: 181

My radio appears to work perfectly against all my other radios sensitivity is on par with my Eton E1 as well as my Yaesu FT-1000MP, I adjusted VR1 the S meter sensitivity control to track with both my other radios, the FT-1000MP was professionally aligned at 14.100 MHZ for 50 microvolts sensitivity at S9, so I guess some one had tweaked that control, love the radio just bought a BHI DSP speaker to work with the radio

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
> Not entirely sure from your text exactly which radio has the Kiwa mods.
>
> The S-meter on a '225 was set carefully at the factory to indicate S9 plus ten for 158uV (PD) input signal. It's a "2 stage" S-meter circuit and should indicate closely with nother radio. If not the '225 may be faulty. I don't have a tech manual to hand for the exact injection figure but 158 should be within less than a dB of the figure in the manual.
>
> Fascinated to hear abt AOR UK. Are Tony C and Mark S part owners of the company?
>
> --- In Lowe_Receivers@yahoogroups.com, "britsnd@" <britsnd@> wrote:
> >
> > I have just acquired a Lowe HF-225 Europa, and I have been comparing it to my Eton E1 non XM model and I am a bit dismayed that the Eton does sound slightly better than the Lowe even though mine does have the Kiwa audio mods, mind you this is with both standard speakers, my big problem is the S meter readings, the Eton tracks my Yaesu Ft1000 MP pretty good the Lowe hardly moves the meter. I have previously owned a Lowe HF 150 and found it fabulous but it did not have a meter to distract me. Any ideas if this radio has problems
> >
>

182. Re: Manual for HF-250

Yahoo group: Lowe_Receivers
Date: 2010-07-01 12:06:39 UTC
From: frasercastle
Topic: 177 Message: 182

--- In Lowe_Receivers@yahoogroups.com, Marc Berman <maberma13@...> wrote:
>
> I just purchased the above. I am getting back into shortwave listening after a 40 year absence and upon surfing Ebay ran across the Lowe HF-250 from a seller in Canada. There is tons of data, info and feedback on just about everything else. But anyway I saw this auction just about ending. There was only one bidder. I was the second bidder just minutes before the ending and I won it for $609. I have no idea if that is a good, bad or indifferent price. It simply intrigued me. I will receive it in about a week and let everyone know how it worked out. It does not come with a manual. I searched the internet to no avail. I even e-mailed an apparent well-known ham and SW listener in England and he couldn't help me. I went to an internet site that seems to have access to about every manual ever created for shortwave and ham gear, but Lowe seems to have been curiously left out. I have had a Yaesu FRG-7700 and soon will buy a Drake R8B from someone 2
> hours away from me in northern California. I will also receive an Icom IC-R8500, which I bought from Ebay, for primarily VHF/UHF listening (I like to listen to 2 meters and local police, etc., haven't tuned in on 70 cm. yet, but will) and will also receive a JRC 535D, also from Ebay, shortly. If the Lowe is a dud I won't be without, but it seems like it would make a nice unit for the bedroom and for my wife if it works OK (according to the Ebay seller anyway). After 40 years of shortwave silence I decided to splurge. I guess I could unload some of this stuff at some point if I want. It seems the units I bought are somewhat in demand.....except for the Lowe!
> Anyhow, if someone could come up with the manual for the 250 that would be great. Regards everyone.
>

Marc,

To answer your queries....

The Lowe HF series of receivers are very much respected in SWL circles and recent ebay prices indicate that demand for them remains high in the community.

Lowe receivers were not distributed as well in the USA/Canada as they were in Europe and are therefore quite rare on the USA/Canada used market. As a result prices for these receivers remain relatively high in the USA and Canada.

The HF-250 was the end of series "flagship" receiver but had a difficult birth. It did not experience the same levels of publicity as the AOR7030 which in another excellent HF receiver. That is not to say that it is not a good design. It is based on the much respected HF-225 and uses virtually the same analogue RF circuitry. It is also built like a battleship. The HF-250E is the more desirable variant of the HF-250 as it has improved filtering and RF performance.

You have purchased a reviever that was built by a greatly respected British manufacturer and it is by no means a "dud". Whether you paid a fair price for it depends very much on if you are happy with the receivers performance for the money and the local value of such a

rare receiver in your country. At that price though, you would normally expect a Mint condition, working example complete with manual and hopefuly the IR remote control.

You have asked about the copying of the user manual for the HF-250, and have received a response from another group member. I offer the following additional comment..... The HF-250 user manual contains some very useful information for setting up and using the HF-250. It comes in two versions - HF-250 and HF-250E. Both use the hotmelt glue spine page retainment system. The quality of the glue binding varies greatly and some manuals suffer page detachment after little use. I own three manuals and they have decent bindings but they would not survive the experience of being flattened on a scanner or photo copier. The manuals are as rare as hens teeth as many fell apart or were lost over the decades. There is no electronic version available to date and I regret I cannot scan my manuals for the reason given above. I presume you have asked the seller to look for the manual ?

Kindest Regards

Fraser

183. Re: Manual for HF-250

Yahoo group: Lowe_Receivers
Date: 2010-07-01 16:21:26 UTC
From: frasercastle
Topic: 177 Message: 183

SNIP

As a follow-up to my last message I have taken a look at my HF-250 manuals and one is already starting to fall apart. I am considering sacrificing this manual to produce a scanned electronic copy but this will surely mean the destruction of the remaining binding. I will advise if/when the scanning is completed.

I have Acrobat Version 5 for producing and editing PDF's so if anyone has any hints and tips regarding how best to produce the PDF in a reasonably sized file, they would be much appreciated. My past attempts ended up as huge PDF's that cannot be mailed through ISP gateways :-(

Previous discussions with a member of the Lowe staff appeared to suggest that I could upload copies of manuals that were out of print and no longer stocked by Lowe, as a service to the user community. I will confirm this before uploading the manual onto this Group so as to avoid copyright infringement.

Fraser

184. Re: [Lowe_Receivers] Re: Manual for HF-250

Yahoo group: Lowe_Receivers
Date: 2010-07-02 01:57:25 UTC
From: Jim in Rock Village
Topic: 177 Message: 184

Fraser

..... somehow I knew you were going to sacrifice one of your manuals before you posted this.

One thing that has always come across in your postings and uploads over the last few years is that you are a true member of the League of Gentlemen. I for one appreciate all that you have done for the members of this group.

peace
monty

----- Original Message -----
From: frasercastle<mailto:fraser.castle@...>
To: Lowe_Receivers@yahoogroups.com<mailto:Lowe_Receivers@yahoogroups.com>
Sent: Thursday, July 01, 2010 12:21 PM
Subject: [Lowe_Receivers] Re: Manual for HF-250

SNIP

As a follow-up to my last message I have taken a look at my HF-250 manuals and one is already starting to fall apart. I am considering sacrificing this manual to produce a scanned electronic copy but this will surely mean the destruction of the remaining binding. I will advise if/when the scanning is completed.

I have Acrobat Version 5 for producing and editing PDF's so if anyone has any hints and tips regarding how best to produce the PDF in a reasonably sized file, they would be much appreciated. My past attempts ended up as huge PDF's that cannot be mailed through ISP gateways :-(

Previous discussions with a member of the Lowe staff appeared to suggest that I could upload copies of manuals that were out of print and no longer stocked by Lowe, as a service to the user community. I will confirm this before uploading the manual onto this Group so as to avoid copyright infringement.

Fraser

185. Re: [Lowe_Receivers] Re: Lowe HF-225 Europa vs Eton E1 and AOR

Yahoo group: Lowe_Receivers
Date: 2010-07-02 08:19:10 UTC
From: Marc Berman
Topic: 172 Message: 185

I heard good things about that BHI DSP. I understand that it is sold in the US as GAP DSP. There is also Clearspeach that is integrated in different speakers. I saw a Yaesu SP-5 integrated with Timewave DSP (expensive at $450 used).

From: "britsnd@..." <britsnd@...>
To: Lowe_Receivers@yahoogroups.com
Sent: Wed, June 30, 2010 9:40:18 PM
Subject: [Lowe_Receivers] Re: Lowe HF-225 Europa vs Eton E1 and AOR

My radio appears to work perfectly against all my other radios sensitivity is on par with my Eton E1 as well as my Yaesu FT-1000MP, I adjusted VR1 the S meter sensitivity control to track with both my other radios, the FT-1000MP was professionally aligned at 14.100 MHZ for 50 microvolts sensitivity at S9, so I guess some one had tweaked that control, love the radio just bought a BHI DSP speaker to work with the radio

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
> Not entirely sure from your text exactly which radio has the Kiwa mods.
>
> The S-meter on a '225 was set carefully at the factory to indicate S9 plus ten for 158uV (PD) input signal. It's a "2 stage" S-meter circuit and should indicate closely with nother radio. If not the '225 may be faulty. I don't have a tech manual to hand for the exact injection figure but 158 should be within less than a dB of the figure in the manual.
>
> Fascinated to hear abt AOR UK. Are Tony C and Mark S part owners of the company?
>
> --- In Lowe_Receivers@yahoogroups.com, "britsnd@" <britsnd@> wrote:
> >
> > I have just acquired a Lowe HF-225 Europa, and I have been comparing it to my Eton E1 non XM model and I am a bit dismayed that the Eton does sound slightly better than the Lowe even though mine does have the Kiwa audio mods, mind you this is with both standard speakers, my big problem is the S meter readings, the Eton tracks my Yaesu Ft1000 MP pretty good the Lowe hardly moves the meter. I have previously owned a Lowe HF 150 and found it fabulous but it did not have a meter to distract me. Any ideas if this radio has problems
> >
>

186. Re: Manual for HF-250

Yahoo group: Lowe_Receivers
Date: 2010-07-02 09:42:43 UTC
From: pete.milnes@btinternet.com
Topic: 177 Message: 186

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:

>
> As a follow-up to my last message I have taken a look at my HF-250 manuals and one is already starting to fall apart. I am considering sacrificing this manual to produce a scanned electronic copy but this will surely mean the destruction of the remaining binding. I will advise if/when the scanning is completed.

Before you go ripping the manual apart consider using a digital camera. It's a bit more of a faff than a scanner but you only need to open the book/manual to a normal "reading" position.

Pete

187. Re: Manual for HF-250

Yahoo group: Lowe_Receivers
Date: 2010-07-02 12:35:04 UTC
From: frasercastle
Topic: 177 Message: 187

--- In Lowe_Receivers@yahoogroups.com, "pete.milnes@..." <pete.milnes@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
>
> >
> > As a follow-up to my last message I have taken a look at my HF-250 manuals and one is already starting to fall apart. I am considering sacrificing this manual to produce a scanned electronic copy but this will surely mean the destruction of the remaining binding. I will advise if/when the scanning is completed.
>
> Before you go ripping the manual apart consider using a digital camera. It's a bit more of a faff than a scanner but you only need to open the book/manual to a normal "reading" position.
>
> Pete
>

Hi Pete,

Thanks for the suggestion. I used a digital camera to produce the block diagram JPEG's that are in the groups file area but as you will see, the spines do not have the flexibility to provide a very good photograph. It is a real pity that teh decision was taken to move away from the earlier stapled spine manual in an A4 or smaller format (none of those in my collection have fallen apart).

I have been pondering how best to upload the manual to the Group and may just upload scanned JPEG's of each page so that members may do as they wish with them. A PDF is another possibility if I can get the required compression vs quality right. The image DPI will be limited by an acceptable file size. There are over 40 pages in the manual so the aggregated file collection could still be pretty large.

As many who know me are aware, my available spare time is very limited as I have commercial projects to complete beyond those of my day job. I cannot promise a definite delivery time on this project so please bear with me.

Fraser

188. Re: HF-150, probably early lot

Yahoo group: Lowe_Receivers
Date: 2010-07-02 12:45:57 UTC
From: frasercastle
Topic: 160 Message: 188

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
> Group,
>
> I am going to assist Janardan with this fault but rather than a blow by blow account of the process on the Group message board I will see if we can repair the receiver and then post the cause for others future reference. The fault will also be added to the 'known faults' database that already exists here.
>
> Fraser
>

UPDATE.....

For those interested, Janardan has carried out many diagnostic tests on the faulty HF-150 and has succeeded in identifying a faulty SL6700 IF/Detector chip. New parts were despatched to him and the HF-150 is working but with a remaining intermittant fault in one of the oscillators that we are still investigating.

Janardan has also designed his own S Meter which he may wish to share with the group but I will leave that to him to comment on.

Remote diagnostics on electronics is never an easy task but Jenardan has coped well with the situation with only some reference voltage data etc needed from me. I was most surprised to see an SL6700 failure in an HF-150 as that chip is normally very reliable (and expensive!) We do not know the history of this particular HF-150 and the fact that more than one fault exists within it does suggest that this may not be your average failure scenario.

The diagnostics continue.....all good fun ;-)

The details of the faults will be added to the 'known faults' database found in this groups 'Database' area in due course.

Fraser

189. Re: Manual for HF-250

Yahoo group: Lowe_Receivers
Date: 2010-07-02 20:31:23 UTC
From: frasercastle
Topic: 177 Message: 189

To all HF-250 owners,

I have now completed the electronic capture of the HF-250 user manual. The manual is for the HF-250 but is teh same as my HF-250E version in all aspects except specifications and block diagram pages. Interestingly the HF-250E version of the manual does not contain the schematic.

The scans are are 150 dpi and the files are in JPEG format. Total aggragated file size is 12MB ! Schematic quality is poor due to the small original and capture resolution. You are recommended to use the better versions available in this Groups file area.

In order to upload the files to the Group, they have been broken into five ZIP files with a size of <3MB each.

I have avoided creating a PDF of the manual as this has a file size that cannot be tranmitted by email. It is for those who desire this information to edit and format the JPEG files to meet their needs.

I regret I do not have the time to tidy up the images beyond that which I have already done as over 3 hours have been spent on this already.

An email has been sent to a Lowe representative requesting permission to upload the electronic copy of their HF-250 manual. I will upload it only when I have received permission from Lowe.

Regards to all

Fraser

190. Re: HF-225 Whip and AMS Options

Yahoo group: Lowe_Receivers
Date: 2010-07-03 14:27:58 UTC
From: satellitboy
Topic: 146 Message: 190

Hello members,

At first, I have also experienced the excellent support from Tony for my HF-225 which had a bad LCD display. He has send me a new display, so now I can use my HF-225 again!
In addition, I am about to purchase another HF-225E (Europe version with narrower IF filters). The only missing option is the W-225 preamplifier.
I have read this thread, and I hope that this amplifier can be home-build, so I am very interested in all the available information, and the result of Don's project.
Maybe some more of us are interested in adding this option to their receiver, so maybe one of us can make some blank circuit boards with the proper layout for this amplifier.
The only special component seems to be the ferrite core. Does anyone have more information what materials are required?

Regards / 73's,

Tom PA2TSL
Almere
The Netherlands

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "DonW" <kd6uvt@> wrote:
> >
> > I am hoping to build the W-225 since the circuit looks fairly simple, they are no longer available from Lowe and prices can be quite high on Ebay however this may be our last chance to purchase any other parts that are being sold from the Lowes web site:
> >
>
> Hi Don,
>
> Glad to hear you are considering making a whip amplifier module. In case you haven't seen it, there are details of a PCB in the Files area of this group under "Lowe related Projects". Credit to G8JMB who kindly produced this information. I also have photographs of the Lowe W-225 pcb if your need them. The only unknown component is the Binocular core type. I think a bit of experimentation would be in order here ;-)
>
> With regard to Tony M. The man is a hero ! It would appear that the Lowe company lost any serious interest in the support of Lowe receivers quite some time ago. This is understandable considering the age of the receivers and the fact that Lowe have moved into new fields of excellence. Tony is a keen supporter of the Lowe receivers and our little community. Many are the occasions when I have phoned him for "this or that" obscure part for a broken Lowe receiver, and on almost every occasion he has been able to help me. I don't think Tony will be giving up his "one man band" support for our receivers any time soon but your comment on buying parts whilst they are still available is very sensible. I

have a good stock of spares for my receivers including spare front panels as these can degrade with age. I can honestly say that Tony is from a by gone era when customer service and support was important..... we are lucky to have him supporting us as there really isn't any real money in it these days.
>
> It is worth noting that I and others in this group purchased large quantities of HF-150 electronic spares from SMC when they disposed of their old stock. Many of the chips in the HF-150 are the same as those used in other Lowe receivers so we are well equipped for the future. I no longer offer my free repair service due to other commercial commitments but I am still willing to supply NOS Lowe related components if I hold stock. If Tony cannot help, send me an email and maybe I can.
>
> 73's
>
> Fraser
>

191. Re: HF-225 Whip and AMS Options

Yahoo group: Lowe_Receivers
Date: 2010-07-03 15:22:11 UTC
From: frasercastle
Topic: 146 Message: 191

--- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...> wrote:
>
> Hello members,
>
> At first, I have also experienced the excellent support from Tony for my HF-225 which had a bad LCD display. He has send me a new display, so now I can use my HF-225 again!
> In addition, I am about to purchase another HF-225E (Europe version with narrower IF filters). The only missing option is the W-225 preamplifier.
> I have read this thread, and I hope that this amplifier can be home-build, so I am very interested in all the available information, and the result of Don's project.
> Maybe some more of us are interested in adding this option to their receiver, so maybe one of us can make some blank circuit boards with the proper layout for this amplifier.
> The only special component seems to be the ferrite core. Does anyone have more information what materials are required?
>
> Regards / 73's,
>
> Tom PA2TSL
> Almere
> The Netherlands
>
> SNIP

Hi Tom,

The binocular transformer should not be a major problem to source.

It is marked with red stripe and is the same material as that found in the HF-150 at positions T2 and T3. This is a basic interstage coupling core so the specification should not be too demanding and a general purpose core such as a RED Iron Powder Mix=2 Carbonyl E u=10 should work over the required frequency range for you.

Fraser

192. Re: HF-225 Whip and AMS Options

Yahoo group: Lowe_Receivers
Date: 2010-07-03 15:39:10 UTC
From: frasercastle
Topic: 146 Message: 192

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@> wrote:
> >
> > Hello members,
> >
> > At first, I have also experienced the excellent support from Tony for my HF-225 which had a bad LCD display. He has send me a new display, so now I can use my HF-225 again!
> > In addition, I am about to purchase another HF-225E (Europe version with narrower IF filters). The only missing option is the W-225 preamplifier.
> > I have read this thread, and I hope that this amplifier can be home-build, so I am very interested in all the available information, and the result of Don's project.
> > Maybe some more of us are interested in adding this option to their receiver, so maybe one of us can make some blank circuit boards with the proper layout for this amplifier.
> > The only special component seems to be the ferrite core. Does anyone have more information what materials are required?
> >
> > Regards / 73's,
> >
> > Tom PA2TSL
> > Almere
> > The Netherlands
> >
> > SNIP
>
> Hi Tom,
>
> The binocular transformer should not be a major problem to source.
>
> It is marked with red stripe and is the same material as that found in the HF-150 at positions T2 and T3. This is a basic interstage coupling core so the specification should not be too demanding and a general purpose core such as a RED Iron Powder Mix=2 Carbonyl E u=10 should work over the required frequency range for you.
>
> Fraser
>

Further to my last, I just took a look at my notes on these cores and offer the following possibilities that are Ferrite and not Iron Cores:

Amidon BN43-202
Amidon BN61-202

Type BN43 would be my choice.

See here:

https://www.amidoncorp.com/specs/2-34.pdf
https://www.amidoncorp.com/specs/2-03.PDF
https://www.amidoncorp.com/specs/2-48.PDF
https://www.amidoncorp.com/specs/2-09.pdf

As I have stated, some experimentation may be required but the cores are cheap enough.

Fraser

193. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2010-07-03 19:55:10 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 193

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /HF-250/User Manual/HF250UM-1.zip
Uploaded by : frasercastle <fraser.castle@...>
Description : HF-250 UM - Part 1

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/HF-250/User%20Manual/HF250UM-1.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>
```

194. HF-250 User manual

Yahoo group: Lowe_Receivers
Date: 2010-07-03 20:10:17 UTC
From: frasercastle
Topic: 194 Message: 194

All,

I have uploaded my electronic copy of the HF-250 user manual to the Groups File area.

The user manual is available as five ZIP folders that will need to be unzipped using WinZip or similar. You will then have more than 40 page images in JPEG picture format. I have not included the 'artistic' cover picture as it has no relation to an HF-250 and this helps prevent copies being passed off as originals on ebay.

I request that this Group remain the sole source of this manual and that it not be suppied or uploaded to any manual archive sites The sale of this manual is strictly prohibited by Copyright and it must not be sold on ebay (as has already occurred with the HF-150 manual).

A lot of time was spent scanning this manual so please respect my wishes.

Thank You

Fraser

195. Re: HF-250 User manual

Yahoo group: Lowe_Receivers
Date: 2010-07-04 10:11:29 UTC
From: johnbg8jmb
Topic: 194 Message: 195

Fraser
Thanks for your efforts
John
G8JMB

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
> All,
>
> I have uploaded my electronic copy of the HF-250 user manual to the Groups File area.
>
> The user manual is available as five ZIP folders that will need to be unzipped using WinZip or similar. You will then have more than 40 page images in JPEG picture format. I have not included the 'artistic' cover picture as it has no relation to an HF-250 and this helps prevent copies being passed off as originals on ebay.
>
> I request that this Group remain the sole source of this manual and that it not be suppied or uploaded to any manual archive sites The sale of this manual is strictly prohibited by Copyright and it must not be sold on ebay (as has already occurred with the HF-150 manual).
>
> A lot of time was spent scanning this manual so please respect my wishes.
>
> Thank You
>
> Fraser
>

196. Re: HF-225 Whip and AMS Options

Yahoo group: Lowe_Receivers
Date: 2010-07-04 10:26:58 UTC
From: johnbg8jmb
Topic: 146 Message: 196

Re CORES
I just did the sums on cores- don't recommend type 2 or other iron dust core because insufficient inductance
BN43-202 looks ok, transformer LF -3dB point is approx 50kHz
BN61... insufficient Al ie inductance

core f -3db
43-2402 0.127439511
43-202 0.056223314

Any binocular core of similar size and in a Hi permeability ferrite(u>800) should be ok

73
John
G8JMB

> https://www.amidoncorp.com/specs/2-34.pdf

197. Re: [Lowe_Receivers] Re: HF-150, probably early lot

Yahoo group: Lowe_Receivers
Date: 2010-07-05 03:48:48 UTC
From: N.A.Janardan Rao
Topic: 160 Message: 197

I have absolutely no hesitation in publishing our findings, but agree with Fraser that our tortuous steps in resolving each issue, if reported blow by blow, do not deserve the readers' time.
I hope to get up a diagram and picture of my S meter and put it up for all to see. It is quite elementary, really but easy to implement.
 Janardan

_____
From: frasercastle <fraser.castle@...>
To: Lowe_Receivers@yahoogroups.com
Sent: Fri, July 2, 2010 6:15:57 PM
Subject: [Lowe_Receivers] Re: HF-150, probably early lot

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
> Group,
>
> I am going to assist Janardan with this fault but rather than a blow by blow
>account of the process on the Group message board I will see if we can repair
>the receiver and then post the cause for others future reference. The fault will
>also be added to the 'known faults' database that already exists here.
>
> Fraser
>

UPDATE.....

For those interested, Janardan has carried out many diagnostic tests on the faulty HF-150 and has succeeded in identifying a faulty SL6700 IF/Detector chip. New parts were despatched to him and the HF-150 is working but with a remaining intermittant fault in one of the oscillators that we are still investigating.

Janardan has also designed his own S Meter which he may wish to share with the group but I will leave that to him to comment on.

Remote diagnostics on electronics is never an easy task but Jenardan has coped well with the situation with only some reference voltage data etc needed from me. I was most surprised to see an SL6700 failure in an HF-150 as that chip is normally very reliable (and expensive!) We do not know the history of this particular HF-150 and the fact that more than one fault exists within it does suggest that this may not be your average failure scenario.

The diagnostics continue.....all good fun ;-)

The details of the faults will be added to the 'known faults' database found in this groups 'Database' area in due course.

Fraser

198. From a new member!

Yahoo group: Lowe_Receivers
Date: 2010-07-05 19:52:21 UTC
From: kb8dns
Topic: 198 Message: 198

Hello!
I joined this group as I have recently made a purchase of a SI-TEX Communication Receiver. This receiver is a spin off of the Lowe SRX-100. My example has a few problems but I think I can correct them with some help from this group. The worst of these is is LSB is off by 3 kHz where as AM and USB are right on.
Easy to use, this radio seems to tune very well with only a few birdies or hetrodynes across it's range. Tone is excellent on SW broadcasts and amateur radio is received quite well. This rig should prove to be a good receiver for my QRP transmitter contacts!

73 Rod KB8DNS

199. Re: From a new member!

Yahoo group: Lowe_Receivers
Date: 2010-07-05 22:58:09 UTC
From: frasercastle
Topic: 198 Message: 199

--- In Lowe_Receivers@yahoogroups.com, "kb8dns" <kb8dns@...> wrote:
>
> Hello!
> I joined this group as I have recently made a purchase of a SI-TEX Communication Receiver. This receiver is a spin off of the Lowe SRX-100. My example has a few problems but I think I can correct them with some help from this group. The worst of these is is LSB is off by 3 kHz where as AM and USB are right on.
> Easy to use, this radio seems to tune very well with only a few birdies or hetrodynes across it's range. Tone is excellent on SW broadcasts and amateur radio is received quite well. This rig should prove to be a good receiver for my QRP transmitter contacts!
>
> 73 Rod KB8DNS
>

Hi Rod,

Welcome to the Lowe_Receivers Group :-)

Most of my SRX-100 data is held in this Groups files area.

Your SI-TEX receiver is indeed a version of the Lowe SRX-100 but that in turn is an Target HF3 that was designed and supplied in the UK by AKD. AKD wanted to offer a decent shortwave receiver like the HF-150 to the market place, but at the lowest practical sale price. This was, I believe £149. A very good buy at the time. Some clever cost cutting took place, a fine example of which is the optical tuning encoder built from discrete IR RX/TX devices and a gated (slotted) tuning knob ! The weakness in the design is the synthesiser which can suffer phase noise issues but these do not normally effect SWL usage. There was criticism of the RCA type aerial socket but this was cost driven and is easily changed to an SO239, BNC or other connector if desired. I personally use an RCA(m) to SO239(f) adapter on my example and all works well.

NASA Marine(UK) presently own the production rights to the design since AKD ceased trading some years ago. Any hard to source parts may be available from NASA Marine as they have supplied me with spares in the past at very reasonable cost.

http://www.nasamarine.com/products.php?cat=16

Whilst AKD kindly provided a rough schematic and block diagram with their receiver, they did not make a service manual available to the public or a detailed description of the design. We must therefore work from the schematic alone which thankfully is not very complicated.

The SSB carrier injection signal is produced by X2, X3 and IC4 with the required resonator selected for USB & LSB via pin diode switching. There is no frequency trimming applied to the resonators to bring them onto frequency. It would be worth checking teh resonator oscillation frequencies to see if that is where your problem lies. Using an accurately calibrated frequecy counter is the best method but using another (accurate) HF receiver

tuned to the resonator frequency will work at a push. xpect the resonators to be operating at around 1.6kHz either side of the 455kHz IF. From memory the Kenwood R1000 used resonators at 456.6kHz and 453.4kHz, and the Yaesu FRG-7700 456.5kHz and 453.5kHz for the same purpose.

Kind Regards

Fraser

200. Re: [Lowe_Receivers] Re: From a new member!

Yahoo group: Lowe_Receivers
Date: 2010-07-06 04:54:21 UTC
From: crabtreejr@aol.com
Topic: 198 Message: 200

In a message dated 7/5/2010 5:58:20 PM Central Daylight Time,
fraser.castle@... writes:
> --- In Lowe_Receivers@yahoogroups.com, "kb8dns" <kb8dns@...> wrote:
> >
> > Hello!
> > I joined this group as I have recently made a purchase of a SI-TEX
> Communication Receiver. This receiver is a spin off of the Lowe SRX-100. My
> example has a few problems but I think I can correct them with some help from
> this group. The worst of these is is LSB is off by 3 kHz where as AM and USB
> are right on.
> > Easy to use, this radio seems to tune very well with only a few birdies
> or hetrodynes across it's range. Tone is excellent on SW broadcasts and
> amateur radio is received quite well. This rig should prove to be a good
> receiver for my QRP transmitter contacts!
> >
> > 73 Rod KB8DNS
> >
>
> Hi Rod,
>
> Welcome to the Lowe_Receivers Group :-)
>
> Most of my SRX-100 data is held in this Groups files area.
>
> Your SI-TEX receiver is indeed a version of the Lowe SRX-100 but that in
> turn is an Target HF3 that was designed and supplied in the UK by AKD. AKD
> wanted to offer a decent shortwave receiver like the HF-150 to the market
> place, but at the lowest practical sale price. This was, I believe £149. A
> very good buy at the time. Some clever cost cutting took place, a fine
> example of which is the optical tuning encoder built from discrete IR RX/TX
> devices and a gated (slotted) tuning knob ! The weakness in the design is the
> synthesiser which can suffer phase noise issues but these do not normally
> effect SWL usage. There was criticism of the RCA type aerial socket but this
> was cost driven and is easily changed to an SO239, BNC or other connector if
> desired. I personally use an RCA(m) to SO239(f) adapter on my example and
> all works well.
>
> NASA Marine(UK) presently own the production rights to the design since
> AKD ceased trading some years ago. Any hard to source parts may be available
> from NASA Marine as they have supplied me with spares in the past at very
> reasonable cost.
>
> http://www.nasamarine.com/products.php?cat=16
>
> Whilst AKD kindly provided a rough schematic and block diagram with their

> receiver, they did not make a service manual available to the public or a
> detailed description of the design. We must therefore work from the
> schematic alone which thankfully is not very complicated.
>
> The SSB carrier injection signal is produced by X2, X3 and IC4 with the
> required resonator selected for USB & LSB via pin diode switching. There is
> no frequency trimming applied to the resonators to bring them onto
> frequency. It would be worth checking teh resonator oscillation frequencies to see
> if that is where your problem lies. Using an accurately calibrated frequecy
> counter is the best method but using another (accurate) HF receiver tuned
> to the resonator frequency will work at a push. xpect the resonators to be
> operating at around 1.6kHz either side of the 455kHz IF. From memory the
> Kenwood R1000 used resonators at 456.6kHz and 453.4kHz, and the Yaesu FRG-7700
> 456.5kHz and 453.5kHz for the same purpose.
>
> Kind Regards
>
> Fraser
>

I am wondering whether there is any change in the displayed frequency when changing from AM to USB or LSB. In the past some other low cost receivers did not make adjustments to the diispalyed frequency when changing modes, and so the displayed frequency was off by ca. +/- or -/+ 1.5kHz when in USB/LSB. This is much more likely to happen when the disploayed frequency is that which the controller intends (as in this case), as opposed to a measured frequency method where all of the oscillator frequencies are measured, of the different BFO offsets are allowed for.

Looking at the schematic for the HF-3, the clarifier is always in play. If you adjusted it so that the displayed frequency was correct in USB, then as AM uses a wider filter, and it might be difficult to tell exactly what the AM frequency is. The centre frequency of a 455kHZ filter has a broad tolerance. Then I could easily see that the LSB frequency would be 3kHz off for the reason stated above.

Is it possible to adjust the clarifier so that USB amd LSB are 1.5kHz off, and the receiver frequency appears to be correct on AM? if so, then there is nothing "wrong" with the receiver - it is merely operating as designed.

HTH and 73

John KC0G

201. Re: From a new member!

Yahoo group: Lowe_Receivers
Date: 2010-07-06 07:23:27 UTC
From: frasercastle
Topic: 198 Message: 201

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
> In a message dated 7/5/2010 5:58:20 PM Central Daylight Time,
> fraser.castle@... writes:
> > --- In Lowe_Receivers@yahoogroups.com, "kb8dns" <kb8dns@> wrote:
> > >
> > > Hello!
> > > I joined this group as I have recently made a purchase of a SI-TEX
> > Communication Receiver. This receiver is a spin off of the Lowe SRX-100. My
> > example has a few problems but I think I can correct them with some help from
> > this group. The worst of these is is LSB is off by 3 kHz where as AM and USB
> > are right on.
> > > Easy to use, this radio seems to tune very well with only a few birdies
> > or hetrodynes across it's range. Tone is excellent on SW broadcasts and
> > amateur radio is received quite well. This rig should prove to be a good
> > receiver for my QRP transmitter contacts!
> > >
> > > 73 Rod KB8DNS
> > >
> >
SNIP

> I am wondering whether there is any change in the displayed frequency when
> changing from AM to USB or LSB. In the past some other low cost receivers
> did not make adjustments to the diispalyed frequency when changing modes,
> and so the displayed frequency was off by ca. +/- or -/+ 1.5kHz when in
> USB/LSB. This is much more likely to happen when the disploayed frequency is
> that which the controller intends (as in this case), as opposed to a measured
> frequency method where all of the oscillator frequencies are measured, of the
> different BFO offsets are allowed for.
>
> Looking at the schematic for the HF-3, the clarifier is always in play. If
> you adjusted it so that the displayed frequency was correct in USB, then as
> AM uses a wider filter, and it might be difficult to tell exactly what the
> AM frequency is. The centre frequency of a 455kHZ filter has a broad
> tolerance. Then I could easily see that the LSB frequency would be 3kHz off for
> the reason stated above.
>
> Is it possible to adjust the clarifier so that USB amd LSB are 1.5kHz off,
> and the receiver frequency appears to be correct on AM? if so, then there
> is nothing "wrong" with the receiver - it is merely operating as designed.
>
> HTH and 73
>
> John KC0G

>

Hi John,

I did ponder the same posibility due to the 3kHz error but the HF3 user manual states that no "offset" to the listed frequency is required for receiving a USB FAX transmission (Page 13) so I discounted this as a cause. The manual may however have mislead me. My HF3 is archived away in the attic so isn't easily accessable to check if an offset is automatically applied by the MPU.
Does anyone else have experience of this receivers SSB tuning ?

Best Wishes

Fraser

202. Re: From a new member!

Yahoo group: Lowe_Receivers
Date: 2010-07-06 09:21:28 UTC
From: kb8dns
Topic: 198 Message: 202

> > >
> SNIP
>
> > I am wondering whether there is any change in the displayed frequency when
> > changing from AM to USB or LSB. In the past some other low cost receivers
> > did not make adjustments to the diispalyed frequency when changing modes,
> > and so the displayed frequency was off by ca. +/- or -/+ 1.5kHz when in
> > USB/LSB. This is much more likely to happen when the disploayed frequency is
> > that which the controller intends (as in this case), as opposed to a measured
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> > different BFO offsets are allowed for.
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> > is nothing "wrong" with the receiver - it is merely operating as designed.
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> > HTH and 73
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> > John KC0G
> >
>
>
> Hi John,
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(Page 13) so I discounted this as a cause. The manual may however have mislead me. My HF3
is archived away in the attic so isn't easily accessable to check if an offset is
automatically applied by the MPU.
> Does anyone else have experience of this receivers SSB tuning ?
>
> Best Wishes
>
> Fraser
>

With my SI-TEX (HF3), the frequency for USB and AM seems to be right on frequency and LSB
is down in frequency by just about five kHz. I have confirmed this by zero beating WWV on

10 mHz in USB and in AM mode the S meter shows a strong signal. Switching over to LSB, I have to tune to 9.995 to zero beat, all the time the Clairifier is at the 12 o'clock position.
Covers off....
Adjusting TC1 or TC2 can bring LSB on frequency but then AM and USB will be off. The frequency display should by all rights be the same in all three modes. I have an idea that there is an incorrect shift when LSB is engaged, selected that is, and could be a capacitor is out of spec, maybe a resistor. Two tantalum caps are near the TC2 adjustment and these could be the ones.
I have other synthesized receivers and my amateur radio transceivers that the display always readout exact frequency in all modes, showing no shift. I did try to adjust the the rig so that the USB and LSB would be off on either side of center but no avail. The USB tracks with AM and LSB is off.
With out a part for part description, finding the out of spec part will be a task. I have no idea what is under the shielded box near TC2. For now USB and AM are tracking on frequency and LSB is down ~5 kHz and the rig is rock steady.

Thanks so far and 73 Rod KB8DNS

203. Re: [Lowe_Receivers] Re: From a new member!

Yahoo group: Lowe_Receivers
Date: 2010-07-06 16:12:23 UTC
From: crabtreejr@aol.com
Topic: 198 Message: 203

In a message dated 7/6/2010 4:22:34 AM Central Daylight Time,
kb8dns@... writes:

> > > >
> > SNIP
> >
> > > I am wondering whether there is any change in the displayed frequency
> when
> > > changing from AM to USB or LSB. In the past some other low cost
> receivers
> > > did not make adjustments to the diispalyed frequency when changing
> modes,
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> in
> > > USB/LSB. This is much more likely to happen when the disploayed
> frequency is
> > > that which the controller intends (as in this case), as opposed to a
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> > > frequency method where all of the oscillator frequencies are measured,
> of the
> > > different BFO offsets are allowed for.
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> > > Looking at the schematic for the HF-3, the clarifier is always in
> play. If
> > > you adjusted it so that the displayed frequency was correct in USB,
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> > > AM uses a wider filter, and it might be difficult to tell exactly what
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> > > AM frequency is. The centre frequency of a 455kHZ filter has a broad
> > > tolerance. Then I could easily see that the LSB frequency would be
> 3kHz off for
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> > > Is it possible to adjust the clarifier so that USB amd LSB are 1.5kHz
> off,
> > > and the receiver frequency appears to be correct on AM? if so, then
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> > > is nothing "wrong" with the receiver - it is merely operating as
> designed.
> > >
> > > HTH and 73
> > >
> > > John KC0G
> > >
> >

> >
> > Hi John,
> >
> > I did ponder the same posibility due to the 3kHz error but the HF3 user
> manual states that no "offset" to the listed frequency is required for
> receiving a USB FAX transmission (Page 13) so I discounted this as a cause. The
> manual may however have mislead me. My HF3 is archived away in the attic
> so isn't easily accessable to check if an offset is automatically applied by
> the MPU.
> > Does anyone else have experience of this receivers SSB tuning ?
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> > Best Wishes
> >
> > Fraser
> >
>
> With my SI-TEX (HF3), the frequency for USB and AM seems to be right on
> frequency and LSB is down in frequency by just about five kHz. I have
> confirmed this by zero beating WWV on 10 mHz in USB and in AM mode the S meter
> shows a strong signal. Switching over to LSB, I have to tune to 9.995 to zero
> beat, all the time the Clairifier is at the 12 o'clock position.
> Covers off....
> Adjusting TC1 or TC2 can bring LSB on frequency but then AM and USB will
> be off. The frequency display should by all rights be the same in all three
> modes. I have an idea that there is an incorrect shift when LSB is engaged,
> selected that is, and could be a capacitor is out of spec, maybe a
> resistor. Two tantalum caps are near the TC2 adjustment and these could be the
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> I have other synthesized receivers and my amateur radio transceivers that
> the display always readout exact frequency in all modes, showing no shift.
> I did try to adjust the the rig so that the USB and LSB would be off on
> either side of center but no avail. The USB tracks with AM and LSB is off.
> With out a part for part description, finding the out of spec part will be
> a task. I have no idea what is under the shielded box near TC2. For now
> USB and AM are tracking on frequency and LSB is down ~5 kHz and the rig is
> rock steady.
>
> Thanks so far and 73 Rod KB8DNS
>

Hello Rod

Are most fax transmissions on USB? If so, then frequency accuracy is important for USB, and not LSB.

If you have the covers off, then you could try and measure the output frequency of the first oscillator, and see how that changes with mode. I suspect that the VCO components are under the screened can. :-(

It would be interesting to know the part numbers of the 455kHz AM and SSB filters. The DRM conversion article at:

http://www.drmrx.org/mods/AKD_Target_HF3_low_res.pdf
shows the locations.

Good luck and 73

John KC0G

204. Keypad 2 PIC program

Yahoo group: Lowe_Receivers
Date: 2010-07-08 17:03:41 UTC
From: frasercastle
Topic: 204 Message: 204

As some may be aware, Lowe developed a version 2 of their keypad accessory. This was based on a PIC chip instead of the Plessey SL490B Trivia .... Lowe also used the UAA4000 in their KPAD-1's. This IC is the same as an SL490B.

The PIC chip provided some additional funcionality that may be of interest to some Lowe owners, or those wishing to build a kepad without the need for the rare SL490B.

Additional features:

1. Auto entry of all frequencies above 3000kHz upon entering of last digit. Below 3000kHz the # key enters the frequency.

2. Selection of any HF-150 reception mode via the keypad.

This is all very well but the KPAD-2 is even rarer than the KPAD-1 so is unlikely to be available to most users. In an attempt to address this situation, I have just purchased a K149 PIC programmer with the intention of reading out the PIC code from one of my KPAD-2 PIC chips.

The circuit for the KPAD-2 is different to that of the KPAD-1 but well within the capabilities of most electronics hobbyists to DIY on vero-board or similar. Look in the Groups file area for the schematic etc.

I have yet to discover whether Lowe activated the 'privacy' fuse on the PIC to prevent copying but if not, I see no reason why I would not be able to extract the PIC program and upload it to this Group for those who want to experiment with the features of a KPAD-2.

The PIC chip is a somewhat elderly PIC16C544-04/P, in 18 pin DIL format, so if you are thinking of a DIY KPAD-2, start looking for a source of this particular PIC chip.

I will advise regarding the ability to download the PIC program just as soon as I receive the K149 from Hong Kong.

Regards

Fraser

205. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2010-07-08 17:13:19 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 205

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /HF-150/HF-150 MPU Firmware/HF150V13.dat
Uploaded by : frasercastle <fraser.castle@...>
Description : HF-150 Firmware Version 1.3

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/HF-150/HF-150%20MPU%20Firmware/HF150V13
.dat

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>
```

206. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2010-07-08 20:12:19 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 206

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /Lowe Keypads/KPAD-1Blank PCB/KPAD pcb 1.jpg
Uploaded by : frasercastle <fraser.castle@...>
Description : Top

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/Lowe%20Keypads/KPAD-1Blank%20PCB/KPAD%20pcb%201.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>

207. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-10 12:33:46 UTC
From: satellitboy
Topic: 103 Message: 207

Hello Fraser,

I have just purchased a HF-225 Europe version in almost pristine condition!
Most of the receiver seems to work very well, and the difference in filter quality is clearly present (I also have the 'standard' HF-225 with the recently fixed LCD display).
The NBFM audio quality, however, is HORRIBLE! I have tried to trace down this problem, and I notice that the IF passband which is fed to the FM/AMS option board (pin 1 op this PCB connector) is too small for a decent FM demodulation: I have made a rough measurement, and it is approx. 4 kHz (should be 12 kHz as defined by the NBFM filter on the option board)!
The 'bypass' bandwidth for NBFM should be around 15 kHz before it is fed to the demodulator board, so in my case it is much too low.
Unfortunately I do not have the circuit diagram of the Europe version, so it is quite difficult to find the cause for this 'fault' (I assume that NBFM should work like in the standard HF-225).
I hope that you, with all your experience, can help me.
Maybe you can upload the circuit diagram of the Europe version??

Regards,
Tom PA2TSL
Almere
The Netherlands

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, sailor105@ wrote:
> >
> > Hello group,
> >
> > Could somebody clear out the differences between the 225/250 "standard" and "Europe" versions?
> >
> > -The info I have seen states a difference in Murata filter configuration, which is clear.
> > -Also mentioned is a difference in switching diodes, I assume all standard 4181's were replaced, but to what type?
> > -Was there also a difference in frontend BPF switching diodes? In the HF250 schematic I see BA244A's used in the frontend filters, these are already quite good aren't they?
> > -Any other differences known for the 225/250 Europa versions?
> >
> > 73'
> > Paul
> > PD0PSB
> >
>

> Paul,
>
> The short version of the differences is as follows:
>
> The E versions were upgraded as follows:
>
> 1. Additional Murata filter fitted. Type CFK455H with 6kHz BW.
> 2. Reprogrammed IF filter switching to access additional filter
> 3. Toko 10RB series screened 1mH chokes fitted in IF filter stage
> 4. SMD decoupling capacitors fitted in IF filter stage
> 5. Low capacitance switching diodes used in IF filter stage, not sure about BPF but likely the same.
> 6. Europa's come with D225/D250 board as standard
>
> There were some minor changes to the first and second Mixer stages in te HF-250E as well but those would need more explanation than I have time for tonight. If required I will detail separately.
>
> The filter upgrade is significant and a useful improvement. The changes in the IF stage helped prevent parasitic bypassing of the filters via component rf coupling from IF filter input to output.
> For low capacitance switching diodes I use the BA482 device instead of the BA244A. The Toko screened inductors are part no.181LY-102(J)
> The additional CFK455H IF filter is available from Tony at Lowe for around £10.
>
> I have photos of an HF-250E variant IF stage PCB if required.
>
> Hope this helps a little
>
> Fraser
>

208. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-10 18:07:56 UTC
From: valleyjinker
Topic: 103 Message: 208

--- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...> wrote:
>
> Hello Fraser,
>
> I have just purchased a HF-225 Europe version in almost pristine condition!
> Most of the receiver seems to work very well, and the difference in filter quality is clearly present (I also have the 'standard' HF-225 with the recently fixed LCD display).
> The NBFM audio quality, however, is HORRIBLE!

Quite right.

The chip which does the 455kHz IF amplification and AM/SSB detection has IF amplifiers connected in series. The inputs and outputs of the amplifiers are led out from the chip. So it's possible to have 455kHz IF filters external to the chip at the output of two IF amplifiers. The first one feeds the input to the chip's second 455kHz amplifier, and the second one goes back into the chip to the onboard AM (and SSB) detector.

In the original HF225 one of these filter options was a 'blank' or dummy filter. That is to say the circuitry there did not filter at all,
it simply passed all the signal on to the next stage.

That 'bypass' filter was deployed by the microcontroller when FM was selected, and in the 'other' position, the widest filter was deployed.

The result was an appropriate 455kHz IF bandwidth for the FM detector.

I'm being slightly vague here cos it's all a long time ago for me and I don't have a technical manual to hand.

The first Europas (and the preceeding Finlandias)replaced the blank filter option with a real filter as part of the upgrade. Unfortunately, though the software was modified for the new Europa model, the effect on the FM detector of the changes in the filter ladder selection was overlooked. The problem was spotted by someone in the receiver production final test and alignment section a short while later. As a result a new version of the software was written and used for subsequent production.

The new version ended up using - I think - the 7 kHz filter in the FM reception chain instead of the 4 kHz on the first Europas. The original HF-225 used some combination which ended up with 10kHz bandwith and may have relied on the 1st IF - 45MHz - roofing filter.

If you are interested in HF FM, firstly don't buy a Europa, secondly, why?

209. Re: Keypad 2 PIC program

Yahoo group: Lowe_Receivers
Date: 2010-07-10 18:23:43 UTC
From: valleyjinker
Topic: 204 Message: 209

Hello Fraser,

I think the KPAD 2 Pic was code protected, but I might be wrong.

In any case the KPAD2 was a bit flakey, the mode select function worked OK with some keypad/radio combinations, but not others. I think the frequency function was reliable though.

--- In Lowe_Receivers@...m, "frasercastle" <fraser.castle@...> wrote:
>
>
> As some may be aware, Lowe developed a version 2 of their keypad accessory. This was based on a PIC chip instead of the Plessey SL490B Trivia .... Lowe also used the UAA4000 in their KPAD-1's. This IC is the same as an SL490B.
>
> The PIC chip provided some additional funcionality that may be of interest to some Lowe owners, or those wishing to build a kepad without the need for the rare SL490B.
>
> Additional features:
>
> 1. Auto entry of all frequencies above 3000kHz upon entering of last digit. Below 3000kHz the # key enters the frequency.
>
> 2. Selection of any HF-150 reception mode via the keypad.
>
> This is all very well but the KPAD-2 is even rarer than the KPAD-1 so is unlikely to be available to most users. In an attempt to address this situation, I have just purchased a K149 PIC programmer with the intention of reading out the PIC code from one of my KPAD-2 PIC chips.
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> The circuit for the KPAD-2 is different to that of the KPAD-1 but well within the capabilities of most electronics hobbyists to DIY on vero-board or similar. Look in the Groups file area for the schematic etc.
>
> I have yet to discover whether Lowe activated the 'privacy' fuse on the PIC to prevent copying but if not, I see no reason why I would not be able to extract the PIC program and upload it to this Group for those who want to experiment with the features of a KPAD-2.
>
> The PIC chip is a somewhat elderly PIC16C544-04/P, in 18 pin DIL format, so if you are thinking of a DIY KPAD-2, start looking for a source of this particular PIC chip.
>
> I will advise regarding the ability to download the PIC program just as soon as I receive the K149 from Hong Kong.
> > Fraser
>

210. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-10 18:26:25 UTC
From: frasercastle
Topic: 103 Message: 210

--- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...> wrote:
>
> Hello Fraser,
>
> I have just purchased a HF-225 Europe version in almost pristine condition!
> Most of the receiver seems to work very well, and the difference in filter quality is clearly present (I also have the 'standard' HF-225 with the recently fixed LCD display).
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> The 'bypass' bandwidth for NBFM should be around 15 kHz before it is fed to the demodulator board, so in my case it is much too low.
> Unfortunately I do not have the circuit diagram of the Europe version, so it is quite difficult to find the cause for this 'fault' (I assume that NBFM should work like in the standard HF-225).
> I hope that you, with all your experience, can help me.
> Maybe you can upload the circuit diagram of the Europe version??
>
> Regards,
> Tom PA2TSL
> Almere
> The Netherlands

Dear Tom,

You have an interesting problem.

First, the schematic. I regret I do not hold an HF-225 Europa schematic. This is, however, not a problem as the HF-225 schematic applies to the Europa version as well. Changes around the filters etc are purely component specification changes.

With regard to the filters, X3 was a 7kHz filter in the 225 and was changed to a 3.3khz filter in the Europa. The 10 kHz filter at position X5 was changed to a 7kHz filter. To accomodate these changed, the firmware was revised which effectively prevents the upgrade of an HF-225 to an HF-225 Europa even if you have the filters. A new MPU is required and is unavailable.

The IF tap that feeds the AMS board is taken from Pin 6 of the SL6700 after the X4/bypass stage. Your symptoms appear to indicate that X4 (4kHz) is still in circuit and the X4 bypass is inactive. Such a situation could occur if there was a failure in Q13 that controls the selection of the filter/bypass. It would be worth checking the operation of Q13 by monitoring it's filter select pins. This is where the operation differs from the standard 225 model.

The Europa filter selection matrix is as follows:

Bandwidth Filters in use
2.2 kHz X2 + X4 + X5
3.5 kHz X3 + X4 + X5
4.5 kHz X3 + X4 + X5
7.0 kHz X3 + X5
FM mode 455kHz LPF + X4 Bypass.

Hope this helps.

If you are able, I would very much appreciate a photograph of the internals of your receiver, for the Groups archives. If you upload it to the files area it will not be horribly compressed like those in the photos area.

Fraser

> --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
> >
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, sailor105@ wrote:
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> > > Hello group,
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> > I have photos of an HF-250E variant IF stage PCB if required.
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> > Hope this helps a little
> >
> > Fraser
> >
>

211. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-10 18:36:40 UTC
From: frasercastle
Topic: 103 Message: 211

SNIP

>
> Dear Tom,
>
> You have an interesting problem.
>
> First, the schematic. I regret I do not hold an HF-225 Europa schematic. This is, however, not a problem as the HF-225 schematic applies to the Europa version as well. Changes around the filters etc are purely component specification changes.
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>
> Bandwidth Filters in use
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> 4.5 kHz X3 + X4 + X5
> 7.0 kHz X3 + X5
> FM mode 455kHz LPF + X4 Bypass.
>
> Hope this helps.
>
> If you are able, I would very much appreciate a photograph of the internals of your receiver, for the Groups archives. If you upload it to the files area it will not be horribly compressed like those in the photos area.
>
> Fraser

SNIP

Tom,

Valleyjinker knows much more about the Europa than me so please consider his comments authoratative on the topic.

Kind Regards

Fraser

212. Re: Keypad 2 PIC program

Yahoo group: Lowe_Receivers
Date: 2010-07-10 18:37:56 UTC
From: frasercastle
Topic: 204 Message: 212

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
> Hello Fraser,
>
> I think the KPAD 2 Pic was code protected, but I might be wrong.
>
> In any case the KPAD2 was a bit flakey, the mode select function worked OK with some keypad/radio combinations, but not others. I think the frequency function was reliable though.
>
>

Damn.... well it was worth a try.

The PIC programmer is needed for other work so is not wasted.

Cheers

Fraser

213. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-10 21:34:02 UTC
From: satellitboy
Topic: 103 Message: 213

Hello Fraser and Valleyjinker,

Thanks both of you for your quick reply.
I will have a look inside the receiver (maybe tomorrow) and make some photos and some measurements in the filter selection circuit.
I have already noticed that one of the filters has neen mounted at the bottom of the main circuit board, very close to the rear panel.
Maybe that is the one that has replaced the bypass circuit.
I will try to reconstruct the schematics as well, and I will keep you informed.
In addition, NBFM on HF is certainly interesting, especially when listening to the 10 m repeaters, and (sometimes) monitoring CB stations.
Anyway, I will keep my 'standard' HF-225 so I will always be able to listen on these frequencies.

Regards, Tom

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> SNIP
>
> >
> > Dear Tom,
> >
> > You have an interesting problem.
> >
> > First, the schematic. I regret I do not hold an HF-225 Europa schematic. This is, however, not a problem as the HF-225 schematic applies to the Europa version as well. Changes around the filters etc are purely component specification changes.
> >
> > With regard to the filters, X3 was a 7kHz filter in the 225 and was changed to a 3.3khz filter in the Europa. The 10 kHz filter at position X5 was changed to a 7kHz filter. To accomodate these changed, the firmware was revised which effectively prevents the upgrade of an HF-225 to an HF-225 Europa even if you have the filters. A new MPU is required and is unavailable.
> >
> > The IF tap that feeds the AMS board is taken from Pin 6 of the SL6700 after the X4/bypass stage. Your symptoms appear to indicate that X4 (4kHz) is still in circuit and the X4 bypass is inactive. Such a situation could occur if there was a failure in Q13 that controls the selection of the filter/bypass. It would be worth checking the operation of Q13 by monitoring it's filter select pins. This is where the operation differs from the standard 225 model.
> >
> > The Europa filter selection matrix is as follows:
> >

> > Bandwidth Filters in use
> > 2.2 kHz X2 + X4 + X5
> > 3.5 kHz X3 + X4 + X5
> > 4.5 kHz X3 + X4 + X5
> > 7.0 kHz X3 + X5
> > FM mode 455kHz LPF + X4 Bypass.
> >
> > Hope this helps.
> >
> > If you are able, I would very much appreciate a photograph of the internals of your receiver, for the Groups archives. If you upload it to the files area it will not be horribly compressed like those in the photos area.
> >
> > Fraser
>
> SNIP
>
>
>
> Tom,
>
> Valleyjinker knows much more about the Europa than me so please consider his comments authoratative on the topic.
>
> Kind Regards
>
> Fraser
>

214. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2010-07-10 23:13:56 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 214

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /SRX-30D/User Manual/century 21D.pdf
Uploaded by : frasercastle <fraser.castle@...>
Description : SRX-30D User Manual

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/SRX-30D/User%20Manual/century%2021D.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>

215. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-11 09:13:18 UTC
From: valleyjinker
Topic: 103 Message: 215

--- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...> wrote:
>
.
> In addition, NBFM on HF is certainly interesting, especially when listening to the 10 m repeaters, and (sometimes) monitoring CB stations.
> Anyway, I will keep my 'standard' HF-225 so I will always be able to listen on these frequencies.

Hello Tom,

Yes I forgot abt the repeaters on 10m (from USA?). I used to be a VERY keen CBer in the early days, using AM then SSB then FM but I never used Lbs / Pounds as a unit for signal strength. Used to make me hoot did that!

I wondered where it came from - something to do with the + dB units at the far end of the S-meter being read as Lb maybe.

I've got nearly all my FT-817's memories programmed with CB channels but there's very little activity round my area these days.

Back to the plot - were the RF/IF switching diodes used in the Europa BA244A or am I confusing that part with the VCO switching diodes? If I'm not, then that's what they were.

216. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-11 12:21:18 UTC
From: frasercastle
Topic: 103 Message: 216

SNIP

> Back to the plot - were the RF/IF switching diodes used in the Europa BA244A or am I confusing that part with the VCO switching diodes? If I'm not, then that's what they were.
>

I can only comment on the HF-250 Vs HF250E as Lowe were kind enough to document the diode changes on the schematics. It would not be unreasonable to assume the same changes on the HF-225 Vs 225 Europa as the HF-250 uses a derivative of the 225 main board.

HF-225
Bandpass diodes = BA244
IF diodes = 1N4148
VCO diodes = BA244

HF-250
Bandpass diodes = BA244A
IF diodes = 1N4148
VCO diodes = BA244A

HF-250E
Bandpass diodes = BA482
IF diodes = BAW62
VCO diodes = BA482

It is therfore reasonable to assume the following:

HF-225 Europa
Bandpass diodes = BA482
IF diodes = BAW62
VCO diodes = BA482

Unfortunately, I cannot confirm this as I do not own an HF-225 Europa.

Fraser

217. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-11 15:06:26 UTC
From: satellitboy
Topic: 103 Message: 217

I have added some photos of the inside of my HF-225 Europe.
It has serial nr. 31050, maybe this can help to identify when it has been produced.
Another difference with my standard HF-225 is that the RF filter section is UNSHIELDED (cover is not installed).
I wonder why it has been omitted, I have noticed that quite some spurious 'noise', although very weak, can be heard from approx. 700 kHz to 2,5 MHz (independent of an antenna being connected, and with the use of a filtered power supply).
It is almost S-3 from 800 kHz to 1200 kHz, and can interfere slightly with weak stations in the medium wave band. A sort of buzzing sound is heard when turning the tune control.
To my opinion, this is due to the missing shield! My other HF-225 does not produce ANY spurious signals in that range!
I wonder if this cover is still available somewhere, I am quite interested to install it.

Regards, Tom

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
> SNIP
>
> > Back to the plot - were the RF/IF switching diodes used in the Europa BA244A or am I confusing that part with the VCO switching diodes? If I'm not, then that's what they were.
> >
>
>
>
> I can only comment on the HF-250 Vs HF250E as Lowe were kind enough to document the diode changes on the schematics. It would not be unreasonable to assume the same changes on the HF-225 Vs 225 Europa as the HF-250 uses a derivative of the 225 main board.
>
> HF-225
> Bandpass diodes = BA244
> IF diodes = 1N4148
> VCO diodes = BA244
>
> HF-250
> Bandpass diodes = BA244A
> IF diodes = 1N4148
> VCO diodes = BA244A
>
> HF-250E
> Bandpass diodes = BA482
> IF diodes = BAW62
> VCO diodes = BA482
>
> It is therfore reasonable to assume the following:

>
> HF-225 Europa
> Bandpass diodes = BA482
> IF diodes = BAW62
> VCO diodes = BA482
>
> Unfortunately, I cannot confirm this as I do not own an HF-225 Europa.
>
>
> Fraser
>

218. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-11 17:08:38 UTC
From: frasercastle
Topic: 103 Message: 218

--- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...> wrote:
>
> I have added some photos of the inside of my HF-225 Europe.
> It has serial nr. 31050, maybe this can help to identify when it has been produced.
> Another difference with my standard HF-225 is that the RF filter section is UNSHIELDED (cover is not installed).
> I wonder why it has been omitted, I have noticed that quite some spurious 'noise', although very weak, can be heard from approx. 700 kHz to 2,5 MHz (independent of an antenna being connected, and with the use of a filtered power supply).
> It is almost S-3 from 800 kHz to 1200 kHz, and can interfere slightly with weak stations in the medium wave band. A sort of buzzing sound is heard when turning the tune control.
> To my opinion, this is due to the missing shield! My other HF-225 does not produce ANY spurious signals in that range!
> I wonder if this cover is still available somewhere, I am quite interested to install it.
>
> Regards, Tom
>

Tom,

Many thanks for the excellent and very useful pictures. It is now clear to me thet Lowe added the 3.3KHz filter in place of the 455kHz LPF just as ValleyJinker said. Not what I expected at all and I'll stop my comments there.

With regard to the screening can that covers the Bandpass filters.... this is not fitted on many HF-225's and I have no idea why but if it was in the original design it must have had a purpose. Early publicity photos of the main board do not show a screening can. My four HF-225's all have the can in place and do not exhibit the noise you described. A simple can made from sheet tin may be fabricated for test purpises if nothing more. Look for a food tin that is flat metal and not ribbed and set to work with some tin snips ;-) Lowe may still have a can knocking around if you find it beneficial.

Encoder related noise is often attributable to poor supply decoupling and/or poor encoder chassis earthing. The mechanical encoder is quite a noisy beast when operating.... lots of sharp transitions at it's output :-(

The serial number decoding for HF-225's has not been provided to date. We know how to decode the HF-150 serial number but that is a different sequence.

I have looked at a lot of serial numbers to find correlation. Here are a few to think about:

21176
91024
42190 - believed to be 1995
09058
39126

49365 - CE labelled as 1995 but possibly made at end of 1994 ?
39098 - CE labelled as 1993

My HF-125's & HF-225's:

HF-225
11041
21393
09140
96123

HF-125
86072
70160

As I say, no confirmed decode on these but others may be able to help if they provide serial numbers and also have a CE sticker that provides the year. I have a strong suspicion that the first digit is the least significant digit of the year, where 11041 = 1991, 96123 = 1989. This is pure conjecture however.

Kind Regards

Fraser

219. Re: Lowe "Europe" models difference Correction

Yahoo group: Lowe_Receivers
Date: 2010-07-11 19:26:33 UTC
From: valleyjinker
Topic: 103 Message: 219

****

> > Back to the plot - were the RF/IF switching diodes used in the Europa BA244A or am I confusing that part with the VCO switching diodes? If I'm not, then that's what they were.
****

The above must be a total horlicks!

Very embarrassing!

But it's likely that the same diodes were used on the '250E as were used on the earlier '225E. I'll try to get some accurate info and post it next week.

The serial numbering system of the '225s and '125s ('235s) is a mystery to me too, but those numbers were not applied at the factory, they must have been applied at the sub-assemblers.

>
> I can only comment on the HF-250 Vs HF250E as Lowe were kind enough to document the diode changes on the schematics. It would not be unreasonable to assume the same changes on the HF-225 Vs 225 Europa as the HF-250 uses a derivative of the 225 main board.
>
> HF-225
> Bandpass diodes = BA244
> IF diodes = 1N4148
> VCO diodes = BA244
>
> HF-250
> Bandpass diodes = BA244A
> IF diodes = 1N4148
> VCO diodes = BA244A
>
> HF-250E
> Bandpass diodes = BA482
> IF diodes = BAW62
> VCO diodes = BA482
>
> It is therfore reasonable to assume the following:
>
> HF-225 Europa
> Bandpass diodes = BA482
> IF diodes = BAW62
> VCO diodes = BA482
>
> Unfortunately, I cannot confirm this as I do not own an HF-225 Europa.
>

>
> Fraser

220. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-12 08:28:27 UTC
From: valleyjinker
Topic: 103 Message: 220

--- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...> wrote:
>
> I have added some photos of the inside of my HF-225 Europe.
> It has serial nr. 31050, maybe this can help to identify when it has been produced.
> Another difference with my standard HF-225 is that the RF filter section is UNSHIELDED (cover is not installed).

The tinplate top shield were only not fitted on early '225s. I'd say 90% or 95% did have them fitted. They should definitely be there on '225 Europas.

> > > Back to the plot - were the RF/IF switching diodes used in the Europa BA244A or am I confusing that part with the VCO switching diodes? If I'm not, then that's what they were.

As I said earlier I got that wrong!

The filter switching diodes used on the Finlandia and almost certainly the Europa were BAW462.

> > I can only comment on the HF-250 Vs HF250E as Lowe were kind enough to document the diode changes on the schematics. It would not be unreasonable to assume the same changes on the HF-225 Vs 225 Europa as the HF-250 uses a derivative of the 225 main board.
> >
> > HF-225
> > Bandpass diodes = BA244
> > IF diodes = 1N4148
> > VCO diodes = BA244
> >
> > HF-250
> > Bandpass diodes = BA244A
> > IF diodes = 1N4148
> > VCO diodes = BA244A
> >
> > HF-250E
> > Bandpass diodes = BA482
> > IF diodes = BAW62
> > VCO diodes = BA482
> >
> > It is therfore reasonable to assume the following:
> >
> > HF-225 Europa
> > Bandpass diodes = BA482
> > IF diodes = BAW62
> > VCO diodes = BA482
> >
> > Unfortunately, I cannot confirm this as I do not own an HF-225 Europa.
> >

> >
> > Fraser
> >
>

221. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-12 08:35:11 UTC
From: valleyjinker
Topic: 103 Message: 221

I got it wrong again! Typo.

Filter diodes Finlandia/Europa BAW62.

222. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-12 12:40:02 UTC
From: satellitboy
Topic: 103 Message: 222

I have added a few more pictures from my 'standard' HF-225.
It has serial number 09282.
You can clearly see the differences regarding the IF filter circuit and the RF filter shield.
It would be, of course, great when I could get the original metal cap.
In that way I can add the 'finishing touch' to the Europe version.

The NBFM option which has a too narrow bandwidth is not a big issue, I still have this option in my other receiver. For the rest I am using it not too much.
Another wish is to add the whip amplifier, which I will probably make myself (I still hope for a blank PC board...).

Regards, Tom

223. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-12 14:23:40 UTC
From: valleyjinker
Topic: 103 Message: 223

--- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...> wrote:
>
> I have added a few more pictures from my 'standard' HF-225.
> It has serial number 09282.
> You can clearly see the differences regarding the IF filter circuit and the RF filter shield.
> It would be, of course, great when I could get the original metal cap.

Try Lowe.

224. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-12 15:34:13 UTC
From: satellitboy
Topic: 103 Message: 224

I just did, thanks!

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@> wrote:
> >
> > I have added a few more pictures from my 'standard' HF-225.
> > It has serial number 09282.
> > You can clearly see the differences regarding the IF filter circuit and the RF filter shield.
> > It would be, of course, great when I could get the original metal cap.
>
> Try Lowe.
>

225. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-12 20:27:14 UTC
From: frasercastle
Topic: 103 Message: 225

--- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...> wrote:
>
> I just did, thanks!
>
> --- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@> wrote:
> >
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@> wrote:
> > >
> > > I have added a few more pictures from my 'standard' HF-225.
> > > It has serial number 09282.
> > > You can clearly see the differences regarding the IF filter circuit and the RF filter shield.
> > > It would be, of course, great when I could get the original metal cap.
> >
> > Try Lowe.
> >
>

Tom,

For your information, your HF-225 was built in or after 1990 and your HF-225 Europa was built in or after 1992. The date codes on the Plessey IC's are clearly visible and may be used to 'date' an equipments earliest possible date of manufacture.

The serial numbers would also suggest that the build year for the HF-225 is 1990 as it starts with a '0' and the Europa - 1993 as the serial number starts with a 3.

This makes the absence of teh screening can all the more confusing as the Europa is not an early build.

Kind Regards

Fraser

226. Re: From a new member! (LSB off frequency)

Yahoo group: Lowe_Receivers
Date: 2010-07-15 05:31:27 UTC
From: kb8dns
Topic: 198 Message: 226

I am in the process of deciphering the schematics and some other diagrams to figure out why my SI-TEX is off frequency on LSB by just about 5 kHz low.
Every thing about the radio is working well, even very well! I can tune the radio and remember the LSB is off but I sure would like to have it "on the money". What I cannot figure out is how the radio derives it's sideband off sets. I have yet to pull pull the shield from the, I think, VCO. There may be an adjustment there or a faulty part. From what the schematic shows and from the block diagram, I cannot figure out the switch between USB, AM and LSB or what parts are involved.
Pete G3ZVI/9H3DV, has kindly sent me some repair sheets on the receiver but there is no clear LSB control or circuit. I would like to think that the clarifier control should not move from the 12 o'clock position when switching modes and only a small movement to bring in the station clear.
Later I am going to figure out a back light for the display as the HF4 has this feature. Should not be too hard.... I like the rig!

74 Rod KB8DNS

227. Re: From a new member! (LSB off frequency)

Yahoo group: Lowe_Receivers
Date: 2010-07-15 11:45:49 UTC
From: frasercastle
Topic: 198 Message: 227

Hi Rod,

Woul dyou be able to share teh repair notes as I feel sure they would be useful to others ? Scanner or Digital camaera works well.

My first response to your question still applies....

The SSB carrier injection signal is produced by X2, X3 and IC4 with the required resonator selected for USB & LSB via pin diode switching. There is no frequency trimming applied to the resonators to bring them onto frequency. It would be worth checking teh resonator oscillation frequencies to see if that is where your problem lies.

Kind Regards

Fraser

--- In Lowe_Receivers@yahoogroups.com, "kb8dns" <kb8dns@...> wrote:
>
>
>
>
>
> I am in the process of deciphering the schematics and some other diagrams to figure out why my SI-TEX is off frequency on LSB by just about 5 kHz low.
> Every thing about the radio is working well, even very well! I can tune the radio and remember the LSB is off but I sure would like to have it "on the money". What I cannot figure out is how the radio derives it's sideband off sets. I have yet to pull pull the shield from the, I think, VCO. There may be an adjustment there or a faulty part. From what the schematic shows and from the block diagram, I cannot figure out the switch between USB, AM and LSB or what parts are involved.
> Pete G3ZVI/9H3DV, has kindly sent me some repair sheets on the receiver but there is no clear LSB control or circuit. I would like to think that the clarifier control should not move from the 12 o'clock position when switching modes and only a small movement to bring in the station clear.
> Later I am going to figure out a back light for the display as the HF4 has this feature. Should not be too hard.... I like the rig!
>
> 74 Rod KB8DNS
>

228. Re: From a new member! (LSB off frequency)

Yahoo group: Lowe_Receivers
Date: 2010-07-15 13:04:49 UTC
From: frasercastle
Topic: 198 Message: 228

--- In Lowe_Receivers@yahoogroups.com, "kb8dns" <kb8dns@...> wrote:
>
>
>
>
>
> I am in the process of deciphering the schematics and some other diagrams to figure out why my SI-TEX is off frequency on LSB by just about 5 kHz low.
> Every thing about the radio is working well, even very well! I can tune the radio and remember the LSB is off but I sure would like to have it "on the money". What I cannot figure out is how the radio derives it's sideband off sets. I have yet to pull pull the shield from the, I think, VCO. There may be an adjustment there or a faulty part. From what the schematic shows and from the block diagram, I cannot figure out the switch between USB, AM and LSB or what parts are involved.
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> Later I am going to figure out a back light for the display as the HF4 has this feature. Should not be too hard.... I like the rig!
>
> 74 Rod KB8DNS
>

Rod,

With a situation such as yours I would first take frequency measurements on the various oscillators to eastablish where the fauly lies. You will need a frequency counter capable of meauring the of the first local oscillator which has a range of 45MHz to 75MHz.

The receiver is a standard Superhet design using mixers and oscillators to up and down convert the signal as it passes through the IF stages. Set your receiver to 10.000 MHz. (55MHz freq counter required)

Your input signal frequency (displayed on LCD) at the aerial enters the first mixer where it is mixed with the 1st local Oscillator. You should be able to measure the local oscillator frequency. In AM mode this should be the displayed frequency on the reciever plus 45MHz (required 1st IF). The resultant IF signal at 45MHz is then passed to the second mixer. This will be producing the 455 kHz 2nd IF. The second local oscillator will produce 44.545MHz, with the clarifier in the 12 o'clock position, and feeds this signal into the second mixer.
The 455 kHz IF is then passed through the IF filters and presented to the detector which in this case is the AM detector.

Maths....

1st LO - tuned frequency = 1st IF (45MHz)
1st IF - 2nd LO = 2nd IF (455kHz)

Now set the receiver to USB and repeat the frequency measurements with the same tuned frequency set (10MHz). Do the same in LSB. The difference in this mode will be the use of a SSB carrier injector in the demodulator. This uses one of two available resontators as oscillators. Each is OFFSET from 455kHz by approximately 1.5 kHz. Make sure you measure the frequencies of these.

After you have made the above measurements.... consider you results and see if you can identify where the 5kHz error is creeping into the maths ;-)

Kind Regards

Fraser

229. Re: From a new member! (LSB off frequency)

Yahoo group: Lowe_Receivers
Date: 2010-07-15 21:30:51 UTC
From: kb8dns
Topic: 198 Message: 229

Hi Fraser!
With a scanner it will be done!

I will go through the procedure of checking the frequencies. I feel a crystal may be a fault or it's oscillator components.

73 Rod KB8DNS

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> Hi Rod,
>
> Woul dyou be able to share teh repair notes as I feel sure they would be useful to others ? Scanner or Digital camaera works well.
>
> My first response to your question still applies....
>
> ----------
> The SSB carrier injection signal is produced by X2, X3 and IC4 with the required resonator selected for USB & LSB via pin diode switching. There is no frequency trimming applied to the resonators to bring them onto frequency. It would be worth checking teh resonator oscillation frequencies to see if that is where your problem lies.
> ----------
>
> Kind Regards
>
> Fraser
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "kb8dns" <kb8dns@> wrote:
> >
> >
> >
> >
> >
> > I am in the process of deciphering the schematics and some other diagrams to figure out why my SI-TEX is off frequency on LSB by just about 5 kHz low.
> > Every thing about the radio is working well, even very well! I can tune the radio and remember the LSB is off but I sure would like to have it "on the money". What I cannot figure out is how the radio derives it's sideband off sets. I have yet to pull pull the shield from the, I think, VCO. There may be an adjustment there or a faulty part. From what the schematic shows and from the block diagram, I cannot figure out the switch between USB, AM and LSB or what parts are involved.

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> > Later I am going to figure out a back light for the display as the HF4 has this feature. Should not be too hard.... I like the rig!
> >
> > 74 Rod KB8DNS
> >
>

230. Re: Keypad 2 PIC program

Yahoo group: Lowe_Receivers
Date: 2010-07-15 23:13:43 UTC
From: frasercastle
Topic: 204 Message: 230

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@> wrote:
> >
> > Hello Fraser,
> >
> > I think the KPAD 2 Pic was code protected, but I might be wrong.
> >
> > In any case the KPAD2 was a bit flakey, the mode select function worked OK with some keypad/radio combinations, but not others. I think the frequency function was reliable though.
> >
> >
>
> Damn.... well it was worth a try.
>
> The PIC programmer is needed for other work so is not wasted.
>
> Cheers
>
> Fraser
>

Confirmed.... I received my PIC programmer today and when attempts are made to read the KPAD2 PIC it returns all 0000 HEX data indicating the data protect fuse is active :-(

Oh well, scrap the idea of building a clone KPAD2 and stick to SL490B/UAA4000 based designs.

There is a positive to come out of this little experiment..... I now have a decent PIC programmer to 'play' with.... it's a USB/Serial K149-B/C and cost only 14 GBP c/w USB lead, which seemed a pretty good deal considering it's popular design & decent quality of build.

It's available via ebay in auction no. 250660252943.
P&P to UK is 4.99 GBP.

Fraser

231. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-17 12:58:08 UTC
From: satellitboy
Topic: 103 Message: 231

Hello group,

I have received the original tinplat top from LOWE and the spurious problem has been fixed:
I cannot hear ANY spurious in the medium wave band any more!
Great support again from LOWE, and, of course, this Yahoo group!!

Best regards / 73's de Tom PA2TSL
Almere
The Netherlands

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
> The tinplate top shield were only not fitted on early '225s. I'd say 90% or 95% did have them fitted. They should definitely be there on '225 Europas.
>
>

232. HF-125 & HF-225 - Year of manufacture from Serial Number.

Yahoo group: Lowe_Receivers
Date: 2010-07-17 19:50:56 UTC
From: frasercastle
Topic: 232 Message: 232

HF-125 & HF-225 owners.....

Having looked inside all of my HF-125's and HF-225's to ascertian the manufacturing dates of the chips they contain, I am now able to state with confidence how to obtain the receivers date of manufacture.

The first number of an HF-125 or HF-225 serial number is the least significant digit of the year the unit was manufactured.

7 = 1987
8 = 1988
9 = 1989
0 = 1990
1 = 1991
2 = 1992
3 = 1993
4 = 1994
5 = 1995

Regards

Fraser

233. DIY KPAD-1, K-225, K-125

Yahoo group: Lowe_Receivers
Date: 2010-07-21 17:44:56 UTC
From: frasercastle
Topic: 233 Message: 233

For anyone wishoing to build their own keypad for an HF-125,225 or 150, you can now buy the UAA4000(SL490B) from a friendly chap on ebay (UK).
Get them while you can !

Item No.290456071245

He is selling at £3.50 + £1.85 which is very good value when compared to JAB (£5+p&p) and DialElec (£15+p&p... gold plated ? !!!)

I have no connection to the ebay seller but did buy 20 of his UAA4000's for future projects.

The only other hard to find part may be the keyboard but Maplin Electronics sell one for £2.99(JM09K) which looks likely to suit the task but you will need to check the matrix duiagram as I haven't done so.

Some time ago I was tempted to build a bigger keypad using one of those PC numeric pads that can be bought cheaply..... I never got round to it but such a project may suit users who don't like the small buttons and light weight of the OEM lowe Keypads. Eith an SL490B/UAA4000 all manner of keypad variation will be possible :-)

Regards

Fraser

234. Re: [Lowe_Receivers] DIY KPAD-1, K-225, K-125

Yahoo group: Lowe_Receivers
Date: 2010-07-21 19:18:30 UTC
From: crabtreejr@aol.com
Topic: 233 Message: 234

Hello Fraser et al

The original keypad was in a 12XY configuration with 7 connections. There are no connection specifications on the Maplin web site for their (JM09K) keypad. A quick web search suggests that it may also be a 12XY configuration, but with a different connection layout.

Another keypad configuration for 12 keys is "2 of 7". These keypads have 8 connections. I have one here sitting on my desk. I think that they can be used in place of the 12XY keypad if the "Common" connection is ignored. If you decide to go down this road, you need to check for yourself.

HTH and 73

John KC0G

In a message dated 7/21/2010 12:46:27 PM Central Daylight Time, fraser.castle@... writes:
> For anyone wishoing to build their own keypad for an HF-125,225 or 150,
> you can now buy the UAA4000(SL490B) from a friendly chap on ebay (UK).
> Get them while you can !
>
> Item No.290456071245
>
> He is selling at £3.50 + £1.85 which is very good value when compared to
> JAB (£5+p&p) and DialElec (£15+p&p... gold plated ? !!!)
>
> I have no connection to the ebay seller but did buy 20 of his UAA4000's
> for future projects.
>
> The only other hard to find part may be the keyboard but Maplin
> Electronics sell one for £2.99(JM09K) which looks likely to suit the task but you
> will need to check the matrix duiagram as I haven't done so.
>
> Some time ago I was tempted to build a bigger keypad using one of those PC
> numeric pads that can be bought cheaply..... I never got round to it but
> such a project may suit users who don't like the small buttons and light
> weight of the OEM lowe Keypads. Eith an SL490B/UAA4000 all manner of keypad
> variation will be possible :-)
>
> Regards
>
> Fraser
>

235. Re: HF-225 Whip and AMS Options

Yahoo group: Lowe_Receivers
Date: 2010-07-21 19:36:54 UTC
From: satellitboy
Topic: 146 Message: 235

I will try to build this preamp, it will complete my HF-225 Europe.
The circuit board is (for me) difficult to create, so I will build it onto a piece of Veroboard.
(I am still interested if someone can make this blank pc board!).
Has anyone some more details of how the RF transformer with the ferrite core has to be constructed?
I will buy some ferrite cores at the upcoming hamfest in Germany (DNAT Bentheim) in August, a lot of Amidon ferrite material is always available. The availability of the rest of the components should be no problem.

73's, Tom

--- In Lowe_Receivers@yahoogroups.com, "johnbg8jmb" <jbutton@...> wrote:
>
> Re CORES
> I just did the sums on cores- don't recommend type 2 or other iron dust core because insufficient inductance
> BN43-202 looks ok, transformer LF -3dB point is approx 50kHz
> BN61... insufficient Al ie inductance
>
> core f -3db
> 43-2402 0.127439511
> 43-202 0.056223314
>
> Any binocular core of similar size and in a Hi permeability ferrite(u>800) should be ok
>
> 73
> John
> G8JMB
>
>
> > https://www.amidoncorp.com/specs/2-34.pdf
>

236. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2010-07-21 20:35:19 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 236

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /Lowe related projects/DIY Keypad parts/Maplin_JM07.jpg
Uploaded by : frasercastle <fraser.castle@...>
Description : Maplin Keyboard data

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/Lowe%20related%20projects/DIY%20Keypad%20parts/Maplin_JM07.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>

237. Re: DIY KPAD-1, K-225, K-125

Yahoo group: Lowe_Receivers
Date: 2010-07-21 20:40:43 UTC
From: frasercastle
Topic: 233 Message: 237

I have uploaded the switch matrix data for the Maplin JM09K.

This may be found in the "Lowe Related Projects" folder within the files area.

I knew there was a good reason for keeping a 1994-5 Maplin catalogue !

Regards

Fraser

238. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2010-07-22 15:20:44 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 238

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /Lowe related projects/DIY Keypad parts/Maplin JM09K keypad as a substitute for the Lowe OEM part.pdf
Uploaded by : frasercastle <fraser.castle@...>
Description : Using the Lowe JM09K keypad as a substitute for the Lowe OEM part.

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/Lowe%20related%20projects/DIY%20Keypad%20parts/Maplin%20JM09K%20keypad%20as%20a%20substitute%20for%20the%20Lowe%20OEM%20part.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>

239. Re: DIY KPAD-1, K-225, K-125

Yahoo group: Lowe_Receivers
Date: 2010-07-22 15:57:22 UTC
From: frasercastle
Topic: 233 Message: 239

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
> I have uploaded the switch matrix data for the Maplin JM09K.
>
> This may be found in the "Lowe Related Projects" folder within the files area.
>
> I knew there was a good reason for keeping a 1994-5 Maplin catalogue !
>
> Regards
>
> Fraser
>

I have produced and uploaded keypad substitution pinout data for the Maplin JM09K keypad.
This may be found in the "Lowe related projects" folder.

Fraser

240. Re: [Lowe_Receivers] Re: DIY KPAD-1, K-225, K-125

Yahoo group: Lowe_Receivers
Date: 2010-07-23 16:39:49 UTC
From: Dennis Hanley
Topic: 233 Message: 240

I'd like to start out by thanking everyone, and especially Fraser, for all of your ongoing contributions to this group. Following this group has certainly provided me a greater enjoyment of my Lowe receivers!

If anyone doesn't feel like taking on the task of scraping up the parts and assembling their own DIY keypad, I have available a PIC-based KPAD-1 clone. I have sold dozens of these around the globe, and have not had any failures or problems with them. Contact me for information or visit www.wirechief.com/keypad/. A Google search on "Lowe Keypad" should also bring you results of my site. I frequently sell these on eBay as well.

If someone was interested in building their own based on my design, I would be happy to provide the programmed PIC, schematic, or any or all other parts. Contact me off-list for details.

Thank you all again, and keep up the good work!

Dennis

--- On Thu, 7/22/10, frasercastle <fraser.castle@...> wrote:

From: frasercastle <fraser.castle@...>
Subject: [Lowe_Receivers] Re: DIY KPAD-1, K-225, K-125
To: Lowe_Receivers@yahoogroups.com
Date: Thursday, July 22, 2010, 8:57 AM

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
> I have uploaded the switch matrix data for the Maplin JM09K.
>
> This may be found in the "Lowe Related Projects" folder within the files area.
>
> I knew there was a good reason for keeping a 1994-5 Maplin catalogue !
>
> Regards
>
> Fraser
>

I have produced and uploaded keypad substitution pinout data for the Maplin JM09K keypad. This may be found in the "Lowe related projects" folder.

Fraser

Yahoo! Groups Links

241. Re: DIY KPAD-1, K-225, K-125

Yahoo group: Lowe_Receivers
Date: 2010-07-23 17:00:04 UTC
From: frasercastle
Topic: 233 Message: 241

--- In Lowe_Receivers@yahoogroups.com, Dennis Hanley <np1070@...> wrote:
>
> I'd like to start out by thanking everyone, and especially Fraser, for all of your ongoing contributions to this group. Following this group has certainly provided me a greater enjoyment of my Lowe receivers!
>
> If anyone doesn't feel like taking on the task of scraping up the parts and assembling their own DIY keypad, I have available a PIC-based KPAD-1 clone. I have sold dozens of these around the globe, and have not had any failures or problems with them. Contact me for information or visit www.wirechief.com/keypad/. A Google search on "Lowe Keypad" should also bring you results of my site. I frequently sell these on eBay as well.
>
> If someone was interested in building their own based on my design, I would be happy to provide the programmed PIC, schematic, or any or all other parts. Contact me off-list for details.
>
> Thank you all again, and keep up the good work!
>
> Dennis
>

Hi Dennis,

Thank you for your generous offer and thank you for putting the effort in to designing & supplying a PIC based keypad for the Lowe receivers. You have offered these 'clones' at a very reasonable price. A very helpful service to fellow Lowe receiver owners.

Kindest Regards

Fraser

242. USB or similar computer interface with keyboard for HF-150

Yahoo group: Lowe_Receivers
Date: 2010-07-24 13:59:30 UTC
From: hzprky
Topic: 242 Message: 242

Hi There,

is there a circuit diagram out anywhere to build a small box including a USB or serial interface and a keyboard. Or are there any recommendations to build at least a PC-interface? Thanks for your comments!

Best regards,
Christian

243. Re: USB or similar computer interface with keyboard for HF-150

Yahoo group: Lowe_Receivers
Date: 2010-07-24 17:00:05 UTC
From: frasercastle
Topic: 242 Message: 243

--- In Lowe_Receivers@yahoogroups.com, "hzprky" <kurzwelle@...> wrote:
>
> Hi There,
>
> is there a circuit diagram out anywhere to build a small box including a USB or serial interface and a keyboard. Or are there any recommendations to build at least a PC-interface? Thanks for your comments!
>
> Best regards,
> Christian
>

Christian,

You do not detail which receiver you are interested in controlling. There are differences between the control of each receiver type so I will provide an answer that covers most scenarios.

The HF-150:

This can be controlled by either a keypad that uses SL490B encoder data format or by the IF-150 serial interface. There are compatible keypads available from Wirechief and SWL-Remotes (IR remote) in the USA. The SWL-Remotes version also has an option to include an IF-150 clone inside the same box.

The IF-150 is not a dumb level converter. It incorporates a microprocessor that translates SERIAL data into SL490B encoder protocol that the receiver can understand. The serial interface is unidirectional and could likely be driven by a USB to Serial converter that is available cheaply on ebay. The IF-150 is now obsolete but sometimes appears on the used market.

To my knowledge there was never a USB to HF-150 interface available as a single unit.

The schematic for the IF-150 is available and if it isn't already in this Groups File area, I will upload it for you. It's a relatively simple design. Now the good news. I have the S87C751 microprocessor in stock. This is, I believe, already programmed for duty as an IF-150 but I will need to knock up a test rig to be sure. The device is not DIL, it is one of the 28 pin square chip formats with pins on each side but thankfully the pin spacing is easy to work with.
DIY is definitely a possibility and you could build a cheap USB to serial adapter into the same box.

HF-125 and HF-225:

The HF-125 & HF-225 use the same SL490B based keypad as the HF-150. Wirechief and SWL-Remotes can supply a suitable unit. SWL-Remotes do not make an interface that permits computer control of the HF-225. The IF-150 is NOT compatible with the HF-125 or HF-225. At

first this seems illogical as these receivers are compatible wit the HF-150's keypad. There is however a difference in the data format produced by the IF-150 that provides additional functionality via computer control. This small change in protocol confuses the HF-125 & HF-225 and they lock up.

One gentleman that I know of designed and built a PIC based computer interface for the HF-225. This may be found here:

http://www.veg.nildram.co.uk/hf225.htm

Once again, it is serial. It should be possible to use cheap USB to Serial converter though. The interface is unidirectional and comes with a simple control program to use with it. I have yet to build and test the design myself.
HF-235

The HF-235 has an internal keypad and with a small modification could be used with an external keypad if desired. The same SL490B encoder is used in the internal keypad circuit and the circuit is similar to that used in external Lowe keypads.

Computer control of the HF-235 is via a built in RS232 port. I am not aware if any official control software for it but have been advised by an HF-235 owner that the HF-225 software found at (http://www.veg.nildram.co.uk/hf225.htm) will work directly without the need for the PIC interface. I have not proven this myself, as I have no access to an HF-235. A USB to Serial adapter should work OK.

I believe `Shortwave log' will also control the HF-235 directly.

HF-250

The HF-250 uses an optional Infra Red remote control type keypad. A wired remote is not available. The IR remote uses a Nokia data protocol. No alternatives are known but the One For All type remotes may work if a Nokia SAT-1602 is catered for in the code list.

The HF-250 incorporates an RS232 serial port. Basic DOS control software was provided. `Shortwave Log' can also control the receiver. A USB to Serial adapter should work OK.

A list of compatible software for the range of receivers is to be found in this Groups file area.

Hope this helps

Fraser

244. Re: USB or similar computer interface with keyboard for HF-150

Yahoo group: Lowe_Receivers
Date: 2010-07-24 17:02:24 UTC
From: frasercastle
Topic: 242 Message: 244

--- In Lowe_Receivers@yahoogroups.com, "hzprky" <kurzwelle@...> wrote:
>
> Hi There,
>
> is there a circuit diagram out anywhere to build a small box including a USB or serial interface and a keyboard. Or are there any recommendations to build at least a PC-interface? Thanks for your comments!
>
> Best regards,
> Christian
>

OOOOOPs,

I just re-read your message title and see you were asking about the HF-150. Please ignore my comment regarding not detailing the receiver, in my previous response. Sorry.

Fraser

245. Re: USB or similar computer interface with keyboard for HF-150

Yahoo group: Lowe_Receivers
Date: 2010-07-25 14:13:32 UTC
From: hzprky
Topic: 242 Message: 245

Hi Fraser,

thanks, and correct, it's a HF-150 interface i'm aiming for.

What would such a S87C751 chip cost? I have some soldering experience, but not with SMD components and if a work out a small circuit, i use vero board or the one with the copper dots. I guess if the S87C751 is a sqare with 28 pins, that means 4 by 7 so it should not bee too complicated.
The diagram i could find says that 11 pins of the S87C751 are used. The LM75L05ACM should be not an issue to still purchse. The Xtal i am unsure about, however, i believe that should not be an issue, too. Is it correct the Xtal is 8192 kHz or is it Hz?
My "dealer of trust" (Reichelt in Germany, where i live) does not have the IL213 in stock or even available. Is there a recommendation for a replacement phototransistor? The ones i could find do all show less forward current (max 60mA) in their specs.
So all in all looks like quite some effort :-)

Thanks again for your quick and valuable support!

Best regards,
Christian

--- In Lowe_Receivers@yahoogroups.com, "frasercastle"
>
> The HF-150:
>
> This can be controlled by either a keypad that uses SL490B encoder data format or by the IF-150 serial interface. There are compatible keypads available from Wirechief and SWL-Remotes (IR remote) in the USA. The SWL-Remotes version also has an option to include an IF-150 clone inside the same box.
>
> The IF-150 is not a dumb level converter. It incorporates a microprocessor that translates SERIAL data into SL490B encoder protocol that the receiver can understand. The serial interface is unidirectional and could likely be driven by a USB to Serial converter that is available cheaply on ebay. The IF-150 is now obsolete but sometimes appears on the used market.
>
> To my knowledge there was never a USB to HF-150 interface available as a single unit.
>
> The schematic for the IF-150 is available and if it isn't already in this Groups File area, I will upload it for you. It's a relatively simple design. Now the good news. I have the S87C751 microprocessor in stock. This is, I believe, already programmed for duty as an IF-150 but I will need to knock up a test rig to be sure. The device is not DIL, it is one of the 28 pin square chip formats with pins on each side but thankfully the pin spacing is easy to work with.
> DIY is definitely a possibility and you could build a cheap USB to serial adapter into the same box.

246. Introduction and a question

Yahoo group: Lowe_Receivers
Date: 2010-07-24 18:23:55 UTC
From: jfletcher427@btinternet.com
Topic: 246 Message: 246

Hi All!

Just discovered this group and thought I'd introduce myself.

I bought a Lowe HF-225 in the early nineties. It was secondhand but less than a year old. Soon after I added the keypad and the telescopic aerial/preamp, but never got around to buying the FM and AMS demodulator. I'm a radio amateur but I've not used the HF-225 in conjunction with a transmitter.

Now for the question. When I tune through a carrier (for example, of a AM broadcast station) with MODE set to USB, LSB or CW, the pitch of the beat note rises from zero beat as expected. Then at some point the pitch does what I can best describe as a "hiccup" (not very technical, I know) then continues to rise. There's no gap in this rising pitch, there doesn't appear to be any hysteresis, that is to say, it occurs at the same point whether tuning up or down the band, and it happens about once every kilohertz, as far as I can tell.

This happens when listening to other modes but of course it's most noticeable when there's a constant carrier. It doesn't spoil the performance of the radio but I'd like to know; is it normal (have others found it) and is it a symptom of a fault or alignment problem?

Thanks in anticipation,

John G4EDX

247. Introduction and a question

Yahoo group: Lowe_Receivers
Date: 2010-07-26 06:16:35 UTC
From: Jonathan Bignall
Topic: 246 Message: 247

Hi John and all group members.

I have owned an HF-225 since about 1992 and for what it's worth, mine has always exhibited the quirk you mention when tuning through carriers in SSB or CW mode. I seem to remember Peter Hart commenting on it in his review of the HF-225 in Radcom so I suspect it's normal behaviour for these sets. Having said that there are more knowledgable people on this forum who may be able to shed some more light.

Best regards and happy listening.

Jon

248. Re: Introduction and a question

Yahoo group: Lowe_Receivers
Date: 2010-07-26 12:46:02 UTC
From: valleyjinker
Topic: 246 Message: 248

Hello and welcome to the group.

The HF125/225/150 all have a similar tuning system. The first local oscillator is a single stage PLL system and tunes in 1 kHz steps. With the '225 the fine tuning resolution of 8 Hz is achieved by bending the second crystal oscilator with a varicap diode, the second oscillator 'ramps' through abt 1 kHz variation as you tune. The plop sound is when the main osc changes by 1 kHz, and the ramp changes ends.

Note I've deliberately not used the words up or down there!

If aligned correctly, as you tune through a carrier, the plop should result in about the same 8 Hz change in pitch as all the other steps, but it's very unlikely that it will - that's where the alignment comes in. The point I'm making here is that it is normal to have a slightly unequal tuning step at that point.

The reason is that you are trying to control a crystal oscilator working at approx 45 MHz, to a few Hz accuracy.

Don't tweak unless you understand the system - much interaction occurs!

--- In Lowe_Receivers@yahoogroups.com, "jfletcher427@..." <jfletcher427@...> wrote:
>
> Hi All!
>
> Just discovered this group and thought I'd introduce myself.
>
> I bought a Lowe HF-225 in the early nineties. It was secondhand but less than a year old. Soon after I added the keypad and the telescopic aerial/preamp, but never got around to buying the FM and AMS demodulator. I'm a radio amateur but I've not used the HF-225 in conjunction with a transmitter.
>
> Now for the question. When I tune through a carrier (for example, of a AM broadcast station) with MODE set to USB, LSB or CW, the pitch of the beat note rises from zero beat as expected. Then at some point the pitch does what I can best describe as a "hiccup" (not very technical, I know) then continues to rise. There's no gap in this rising pitch, there doesn't appear to be any hysteresis, that is to say, it occurs at the same point whether tuning up or down the band, and it happens about once every kilohertz, as far as I can tell.
>
> This happens when listening to other modes but of course it's most noticeable when there's a constant carrier. It doesn't spoil the performance of the radio but I'd like to know; is it normal (have others found it) and is it a symptom of a fault or alignment problem?
>
> Thanks in anticipation,
>

> John G4EDX
>

249. Re: [Lowe_Receivers] Re: Introduction and a question

Yahoo group: Lowe_Receivers
Date: 2010-07-26 16:45:43 UTC
From: J FLETCHER
Topic: 246 Message: 249

Many thanks to Antoni and Jon for your replies, now I know it's not a symptom of a fault I'll stop worrying and enjoy the radio more.

Best regards,

John

250. IF-150 protocol

Yahoo group: Lowe_Receivers
Date: 2010-07-26 18:23:30 UTC
From: hejsek2005
Topic: 250 Message: 250

Can anyone enlighten me on the keymap details of the protocol between the IF-150 and the HF-150?

I have the IF-150 instruction leaflet giving the ASCII commands which, obviously, must correspond with SL490B commands from a KPAD-1.

I also have the SL490B datasheet which shows the full key matrix and the signalling method.

By probing my KPAD-1, I have found the mode-switching commands in the extended SL490B keymap - but I haven't found out how to enter fractional kHz. I guess there's a decimal point key but I didn't find it, & stuffing wires into a unit built on an obsolescent IC isn't fun.

So does anyone have the full keycode-table that the HF-150 responds to?

My plan is to have a wireless keypad control my HF-150, which sits in an upstairs room with an 8 foot square loop aerial rebroadcastinq round the house on FM, and I would rather have the remote work on 5V throughout.

Blank Frank's HF-225 interface has the bit-timing routines for a PIC 12C509, so I'm considering hacking his design onto a 16F628A to get I/O lines to support a keypad and have the best of both worlds, using a double-key shift technique like Dennis Hanley's to extend the 12-key pad for the extra IF-150 commands.

Regards, Len Warner.

251. Re: USB or similar computer interface with keyboard for HF-150

Yahoo group: Lowe_Receivers
Date: 2010-07-26 19:53:04 UTC
From: frasercastle
Topic: 242 Message: 251

--- In Lowe_Receivers@yahoogroups.com, "hzprky" <kurzwelle@...> wrote:
>
> Hi Fraser,
>
> thanks, and correct, it's a HF-150 interface i'm aiming for.
>
> What would such a S87C751 chip cost? I have some soldering experience, but not with SMD components and if a work out a small circuit, i use vero board or the one with the copper dots. I guess if the S87C751 is a sqare with 28 pins, that means 4 by 7 so it should not bee too complicated.
> The diagram i could find says that 11 pins of the S87C751 are used. The LM75L05ACM should be not an issue to still purchse. The Xtal i am unsure about, however, i believe that should not be an issue, too. Is it correct the Xtal is 8192 kHz or is it Hz?
> My "dealer of trust" (Reichelt in Germany, where i live) does not have the IL213 in stock or even available. Is there a recommendation for a replacement phototransistor? The ones i could find do all show less forward current (max 60mA) in their specs.
> So all in all looks like quite some effort :-)
>
> Thanks again for your quick and valuable support!
>
> Best regards,
> Christian
>
>

Christian,

As you are the first person wishing to build an IF-150, I will send you the programmed S87C751 and 8.192MHz crystal free of charge. I would appreciate you covering the postage and packing costs though.

As I mentioned, I will have to rig a test socket in order to be sure that the chip is programmed (I purchased them as IF-150's but have yet to test one). This will take a few days as I have no spare time to build the test rig at the moment.

PM me your address etc and I will sort it out asap.

Fraser

252. Re: IF-150 protocol

Yahoo group: Lowe_Receivers
Date: 2010-07-26 22:49:38 UTC
From: pete.milnes@btinternet.com
Topic: 250 Message: 252

> So does anyone have the full keycode-table that the
> HF-150 responds to?
>

Sounds like you want the HF150 Technical Manual. I've just had a quick look in the files section but I can't spot it! So here is a condensed version of what it says about the "External Keypad".

The HF150 understands 5-bit data. This is conveyed as the intervals between 6 pulses (i.e. PWM). Transmitted MSB first.

Current pulse width = 350uS
Time (between pulses) for Zero = 2.10mS
Time for one = 3.15mS

The HF150 makes the following interpretation:
Hex code Key/meaning
14 0
1B 1
17 2
13 3
1A 4
16 5
12 6
19 7
15 8
11 9
18 * Cancel
10 # Enter
1E Store to memory plus 6 bit memory number
1F Fine tune plus 8 bit fine tune value
04 Set LSB mode
05 Set USB
06 Set AM narrow
07 Set AM
08 Set ASD
09 Set ASF
0A Set ASL
0B Set ASU

Pete

253. Re: IF-150 protocol

Yahoo group: Lowe_Receivers
Date: 2010-07-26 23:10:23 UTC
From: frasercastle
Topic: 250 Message: 253

--- In Lowe_Receivers@yahoogroups.com, "hejsek2005" <novost@...> wrote:
>
> Can anyone enlighten me on the keymap details of the
> protocol between the IF-150 and the HF-150?
>
> I have the IF-150 instruction leaflet giving the ASCII
> commands which, obviously, must correspond with SL490B
> commands from a KPAD-1.
>
> I also have the SL490B datasheet which shows the full
> key matrix and the signalling method.
>
> By probing my KPAD-1, I have found the mode-switching
> commands in the extended SL490B keymap - but I haven't
> found out how to enter fractional kHz. I guess there's
> a decimal point key but I didn't find it, & stuffing
> wires into a unit built on an obsolescent IC isn't fun.
>
> So does anyone have the full keycode-table that the
> HF-150 responds to?
>
> My plan is to have a wireless keypad control my HF-150,
> which sits in an upstairs room with an 8 foot square
> loop aerial rebroadcastinq round the house on FM, and
> I would rather have the remote work on 5V throughout.
>
> Blank Frank's HF-225 interface has the bit-timing
> routines for a PIC 12C509, so I'm considering hacking
> his design onto a 16F628A to get I/O lines to support
> a keypad and have the best of both worlds, using a
> double-key shift technique like Dennis Hanley's to
> extend the 12-key pad for the extra IF-150 commands.
>
> Regards, Len Warner.

Hi Len,

I see what you are attempting to do and good luck but I have a suggestion that you may or may not approve of.

Whilst it goes against the hobbyist experimenter in me, I no longer re-invent the wheel.... I often modify one that someone else has already made !

If you take a look here:

http://www.swl-remotes.com/features/lowehf150.html

http://www.swl-remotes.com/pricingordering.html

http://www.swl-remotes.com/downloads.html

You will see that SWL-Remotes have a fully fledged, function rich IR remote control system for the HF-150. There is a review of the system in the Files area of this Group.

The price of a receiver unit is around $90 and you could use a universal remote plus 433MHz COTS IR Extender as a rough and ready solution. A more elegant solution would be to approach SWL-Remotes, explain your intention to build an RF remote control and request that they supply you with just the programmed PIC chip. They quote a PIC upgrade price of only $20 so they may be willing to do a deal for you (the PIC is copy protected after all). You would then be free to build your own RF "front end" for the PIC and use a modified "One for all" remote control.

Taking this route provides you with a solid PIC program on which to build your desired control system. I know some will say that this goes against the spirit of DIY electronics but for me it makes economic sense as the cost of a complete HF-150 SWL Remote/IF-150 set-up inc remote control is less than my hourly charge out rate and I couldn't develop and build a unit in an hour ;-) Sometimes it just makes sense to modify and not invent.

Kind Regards

Fraser

254. Re: USB or similar computer interface with keyboard for HF-150

Yahoo group: Lowe_Receivers
Date: 2010-07-25 15:53:41 UTC
From: frasercastle
Topic: 242 Message: 254

--- In Lowe_Receivers@yahoogroups.com, "hzprky" <kurzwelle@...> wrote:
>
> Hi Fraser,
>
> thanks, and correct, it's a HF-150 interface i'm aiming for.
>
> What would such a S87C751 chip cost? I have some soldering experience, but not with SMD components and if a work out a small circuit, i use vero board or the one with the copper dots. I guess if the S87C751 is a sqare with 28 pins, that means 4 by 7 so it should not bee too complicated.
> The diagram i could find says that 11 pins of the S87C751 are used. The LM75L05ACM should be not an issue to still purchse. The Xtal i am unsure about, however, i believe that should not be an issue, too. Is it correct the Xtal is 8192 kHz or is it Hz?
> My "dealer of trust" (Reichelt in Germany, where i live) does not have the IL213 in stock or even available. Is there a recommendation for a replacement phototransistor? The ones i could find do all show less forward current (max 60mA) in their specs.
> So all in all looks like quite some effort :-)
>
> Thanks again for your quick and valuable support!
>
> Best regards,
> Christian
>

Hi Christian,

As you are the first person who has shown an interest in using one of my S87C751 chips to build an IF-150 it will be free of charge :-) I will also include the 8.192MHz crystal. I would appreciate the postage & packing costs being covered by you though. The optocoupler is not being used in a demanding role and anything similar that can handle a few milliamps should be fine. The optocoupler is only used to separate the PC from the microprocessor and receiver.

If I were to build such an IF-150 using the SMD chip, I would carefully glue the chip to the PCB material with it's 'legs' uppermost. I would draw the chip pinout on a piece of paper as viewed from this upside down position to avoid confusion regarding pin numbers. I would then use Kynar (wire wrap) wire to connect each pin to the required area of the PCB. I believe this technique is commonly used for prototyping. You could also solder wires to the required pins and glue the chip to the PCB the right way up and then run the wires to wherever required on the PCB..... it would look a little like a spider !

There is only one condition to my offer of the microprocessor and crystal... that you report your success or otherwise in making an IF-150, to this Group.

PM me your address.

Kind Regards

Fraser

255. Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-26 16:09:42 UTC
From: hejsek2005
Topic: 103 Message: 255

```
--- "frasercastle" wrote:
> We know how to decode the HF-150 serial number
> but that is a different sequence.

Is that written down somewhere? I've searched the group archive
and looked in both group's files area and found out no more :-(

Len Warner
```

256. Re: [Lowe_Receivers] Re: Lowe "Europe" models difference.

Yahoo group: Lowe_Receivers
Date: 2010-07-27 13:07:19 UTC
From: crabtreejr@aol.com
Topic: 103 Message: 256

It is in the archives of the other group. See:
http://groups.yahoo.com/group/lowe_hfreceivers/message/285

73 John KC0G

In a message dated 7/27/2010 1:31:07 AM Central Daylight Time,
novost@... writes:
> --- "frasercastle" wrote:
> > We know how to decode the HF-150 serial number
> > but that is a different sequence.
>
> Is that written down somewhere? I've searched the group archive
> and looked in both group's files area and found out no more :-(
>
> Len Warner
>

257. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2010-07-27 16:24:37 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 257

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /HF-150/HF-150 Serial Numbers
Uploaded by : frasercastle <fraser.castle@...>
Description : Decoding HF-150 Serial Numbers.

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/HF-150/HF-150%20Serial%20Numbers

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>
```

258. Fraser - lost emails :-(

Yahoo group: Lowe_Receivers
Date: 2010-07-27 16:34:51 UTC
From: frasercastle
Topic: 258 Message: 258

Hi all,

It looks like my ISP is playing silly wotsits as my posts to this Group are suffering considerable delays (as evidenced by one appearing today that I sent on Sunday !) Email destined for another Group member has also gone missing. Please advise me via this Group if you are sending email to me and expect an answer as I may not receive it.

Cheers

Fraser

259. Re: IF-150 protocol

Yahoo group: Lowe_Receivers
Date: 2010-07-28 23:57:02 UTC
From: frasercastle
Topic: 250 Message: 259

SNIP

> Hi Len,
>
> I see what you are attempting to do and good luck but I have a suggestion that you may or may not approve of.
>
> Whilst it goes against the hobbyist experimenter in me, I no longer re-invent the wheel.... I often modify one that someone else has already made !
>
> If you take a look here:
>
> http://www.swl-remotes.com/features/lowehf150.html
>
> http://www.swl-remotes.com/pricingordering.html
>
> http://www.swl-remotes.com/downloads.html
>
> You will see that SWL-Remotes have a fully fledged, function rich IR remote control system for the HF-150. There is a review of the system in the Files area of this Group.
>
> The price of a receiver unit is around $90 and you could use a universal remote plus 433MHz COTS IR Extender as a rough and ready solution. A more elegant solution would be to approach SWL-Remotes, explain your intention to build an RF remote control and request that they supply you with just the programmed PIC chip. They quote a PIC upgrade price of only $20 so they may be willing to do a deal for you (the PIC is copy protected after all). You would then be free to build your own RF "front end" for the PIC and use a modified "One for all" remote control.
>
> Taking this route provides you with a solid PIC program on which to build your desired control system. I know some will say that this goes against the spirit of DIY electronics but for me it makes economic sense as the cost of a complete HF-150 SWL Remote/IF-150 set-up inc remote control is less than my hourly charge out rate and I couldn't develop and build a unit in an hour ;-) Sometimes it just makes sense to modify and not invent.
>
> Kind Regards
>
> Fraser
>

Well I contacted SWL-Remotes to sound them out on the possibility of supplying the programmed HF-150 & HF-225 PIC chips for non-commercial experimentation. It is with sadness that I find this company less friendly to the amateur/SWL than expected.

SWL-Remotes response:

Fraser,

We do not have a remote for the HF-225. so there is no firmware chip available.

We do not supply our firmware chips for experimentation.

Dan Landon
SWL Remotes

This policy is absolutely their right as owners of the product but still disappointing all the same. They also appear to be oblivious to their product range as they clearly advertise an IR remote for the HF-225 yet deny it's existance in this email :-/

Fraser

260. Re: From a new member! (LSB off frequency)

Yahoo group: Lowe_Receivers
Date: 2010-07-29 19:32:49 UTC
From: crabtreejr
Topic: 198 Message: 260

Hello Rod et al

This has all gone very quiet.

The displayed frequency offsets were mentioned in a review of the HF-3 by John Wilson, G3PCY, in Short Wave Magazine in November 1996. He commented: "This results in an incorrect frequency readout on u.s.b. and l.s.b., but it's exactly the same in this respect as the much admired Trio R1000, ..."

That's about all there is too it. You could adjust the califier so that the frequency is correct for u.s.b., and then you will 3 or more kHz off for l.s.b (5 kHz is a bit much, and something probably needs tweaking.) Give the width of the a.m. filter, the clarifier offset so that the display is correct u.s.b might not be noticeable in a.m..

I did check a schematic of the Trio R1000. The only thing which the USB and LSB switches do is to select the BFO crystals. Hence the display offsets in those modes in that receiver.

HTH and 73

John KC0G

--- In Lowe_Receivers@yahoogroups.com, "kb8dns" <kb8dns@...> wrote:
>
> Hi Fraser!
> With a scanner it will be done!
>
> I will go through the procedure of checking the frequencies. I feel a crystal may be a fault or it's oscillator components.
>
> 73 Rod KB8DNS
>
> --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
> >
> >
> >
> > Hi Rod,
> >
> > Woul dyou be able to share teh repair notes as I feel sure they would be useful to others ? Scanner or Digital camaera works well.
> >
> > My first response to your question still applies....
> >
> > ---
> > The SSB carrier injection signal is produced by X2, X3 and IC4 with the required resonator selected for USB & LSB via pin diode switching. There is no frequency trimming applied to the resonators to bring them onto frequency. It would be worth checking teh resonator oscillation frequencies to see if that is where your problem lies.

> > ----------
> >
> > Kind Regards
> >
> > Fraser
> >
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, "kb8dns" <kb8dns@> wrote:
> > >
> > >
> > >
> > >
> > >
> > > I am in the process of deciphering the schematics and some other diagrams to figure out why my SI-TEX is off frequency on LSB by just about 5 kHz low.
> > > Every thing about the radio is working well, even very well! I can tune the radio and remember the LSB is off but I sure would like to have it "on the money". What I cannot figure out is how the radio derives it's sideband off sets. I have yet to pull pull the shield from the, I think, VCO. There may be an adjustment there or a faulty part. From what the schematic shows and from the block diagram, I cannot figure out the switch between USB, AM and LSB or what parts are involved.
> > > Pete G3ZVI/9H3DV, has kindly sent me some repair sheets on the receiver but there is no clear LSB control or circuit. I would like to think that the clarifier control should not move from the 12 o'clock position when switching modes and only a small movement to bring in the station clear.
> > > Later I am going to figure out a back light for the display as the HF4 has this feature. Should not be too hard.... I like the rig!
> > >
> > > 74 Rod KB8DNS
> > >
> >
>

--- In Lowe_Receivers@yahoogroups.com, "kb8dns" <kb8dns@...> wrote:

> SNIP

> I have other synthesized receivers and my amateur radio transceivers that the display always readout exact frequency in all modes, showing no shift. I did try to adjust the the rig so that the USB and LSB would be off on either side of center but no avail. The USB tracks with AM and LSB is off.
>
> Thanks so far and 73 Rod KB8DNS
>

261. PR-150 design

Yahoo group: Lowe_Receivers
Date: 2010-07-29 20:33:11 UTC
From: Tracey Gardner
Topic: 261 Message: 261

Hello Fraser and Antoni

On the MDS 975 web site there is a small section about the early versions of the PR-150.

http://www.mds975.co.uk/Content/lowe1.html

It talks about the original PR-150 design not being a success as it utilised diodes in the circuitry and suffered problems with intermodulation products. It goes on to say that Lowe soon released a revised and much improved PR-150 design that overcame all of these problems

As far as I can see from the handbook the PR-150 uses pin diodes in the low impedance input and output circuits and reed relays in the high impedance tank circuits.

Did the original design use diodes all the way through or what?
How many of the early PR-150s were made/shipped before the problem was recognised and what happened to these early PR-150s?

Many thanks

Tracey

262. My new (old) HF150

Yahoo group: Lowe_Receivers
Date: 2010-07-29 22:13:22 UTC
From: shortsfarmer
Topic: 262 Message: 262

My last communications receiver was a Canadian Marconi 52 Set
bought with pocket money in 1958
I Bought the HF150 last week on Ebay £100. Not for sale; its now my new toy.
Sold as low sensitivity which was Traced to the first mixer (faulty IC) as mentioned in the LOWE notes, so also found a supplier on ebay £12 each, Plessey would still be in business if they could get that price!
Connected to my HP 8640 and measurements indicate that I have restored sensitivity.
I took care removing the faulty IC by clipping each pin at the IC body individually and removing pins individually.
The internet seems to be able to supply all manuals and schematics free other than the paper.
Also as as others have found corrosion present in a corner of the case due to long stay / overcharging batteries.
Im only now getting used to the lack of whistles that low intermod gives, otherwise I would have thought it was still faulty. Hum and switched mode whistles from a mains power plug goes away if replaced by a regulated bench supply.
Getting used to the very few controls.
I note that a finger on the internal spill of the wip connection makes a good antenna (better than a bit of wire) could this be a sign that all is not well with the J310 Jfet front end?
PS Do people use this radio with a computer decoder for DSM demodulation?
Doug

263. Re: PR-150 design

Yahoo group: Lowe_Receivers
Date: 2010-07-29 23:55:58 UTC
From: frasercastle
Topic: 261 Message: 263

--- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <tracey.gardner@...> wrote:
>
>
> Hello Fraser and Antoni
>
> On the MDS 975 web site there is a small section about the early versions of
> the PR-150.
>
> http://www.mds975.co.uk/Content/lowe1.html
>
> It talks about the original PR-150 design not being a success as it utilised
> diodes in the circuitry and suffered problems with intermodulation products.
> It goes on to say that Lowe soon released a revised and much improved PR-150
> design that overcame all of these problems
>
> As far as I can see from the handbook the PR-150 uses pin diodes in the low
> impedance input and output circuits and reed relays in the high impedance
> tank circuits.
>
> Did the original design use diodes all the way through or what?
> How many of the early PR-150s were made/shipped before the problem was
> recognised and what happened to these early PR-150s?
>
> Many thanks
>
> Tracey
>

Tracey,

I have never seen a schematic of the early PR-150 or even a picture of one. I do have a picture of a PR-150 that has a large black cross head screw through the front panel on the LHS, just below the name decal.... I am not sure if this is an early PR-150 or just a user modified unit.

Pin diodes in low impedance circuits are known to behave themselves quite well except in the presence of very strong RF as can sometimes be experienced when the RX aerial is too close to a TX aerial. The use of PIN diodes in the high impedance tank circuits is a different story and would present a high risk of Intermodulation products.... a disaster in a pre-selector !

I have a vague memory of reading that the early PR-150 used Varicap diode tuning instead of the polyvaricon that was used later. I may have this wrong though. Varicap tuning was a bit of a rage at one point as evidenced by their use in the Palstar AA30 and Vectronics AT100 active antenna/pre-selectors.

Regards

Fraser

264. Re: [Lowe_Receivers] PR-150 design

Yahoo group: Lowe_Receivers
Date: 2010-07-30 00:34:50 UTC
From: crabtreejr@aol.com
Topic: 261 Message: 264

Hello Tracey

This was discussed at some length on the other group on 2006/07/31 and 2006/08/01.

In the 1994 WRTH handbook, it was stated that they had tested a pre-production prototype (which had 9 bands - my comment) in August 1992, and while it reduced 2nd order intermodulation, it introduced 3rd order intermodulation products. WRTH was led to beliueve that it was identical to a production unit that was to be marketed a few weeks later. After the publication of the 1993 WRTH, Lowe delayed the launch until "the latter part of '93". In September of 1993 WRTH purchased the revised model (7 bands plus a bypass)

If this is correct, it answers one of your questions, ie none of the earlier version were shipped.

I imagine that the front panels and PCB's of any production units were scrapped. It might have been possible to reuse the cases and some of the components.

HTH and 73

John KC0G

PS One other point. The 1993 WRTH Equipment Buyer's Guide indicated that the early version of the PR-150 used varicap diodes. The later version used dual-ganged variable capacitiors.

In a message dated 7/29/2010 3:33:19 PM Central Daylight Time, tracey.gardner@... writes:
> Hello Fraser and Antoni
>
> On the MDS 975 web site there is a small section about the early versions
> of

> the PR-150.
>
> http://www.mds975.co.uk/Content/lowe1.html
>
> It talks about the original PR-150 design not being a success as it
> utilised
> diodes in the circuitry and suffered problems with intermodulation
> products.
> It goes on to say that Lowe soon released a revised and much improved
> PR-150
> design that overcame all of these problems
>

> As far as I can see from the handbook the PR-150 uses pin diodes in the
> low
> impedance input and output circuits and reed relays in the high impedance
> tank circuits.
>
> Did the original design use diodes all the way through or what?
> How many of the early PR-150s were made/shipped before the problem was
> recognised and what happened to these early PR-150s?
>
> Many thanks
>
> Tracey
>

265. Re: [Lowe_Receivers] Re: PR-150 design

Yahoo group: Lowe_Receivers
Date: 2010-07-30 04:17:57 UTC
From: crabtreejr@aol.com
Topic: 261 Message: 265

In a message dated 7/29/2010 6:56:05 PM Central Daylight Time,
fraser.castle@... writes:
> Tracey,
>
> I have never seen a schematic of the early PR-150 or even a picture of
> one. I do have a picture of a PR-150 that has a large black cross head screw
> through the front panel on the LHS, just below the name decal.... I am not
> sure if this is an early PR-150 or just a user modified unit.
>
> > snip >

There is a good picture in the WRTH Equipment Buyers' Guide (1993). Your
picture is of a user modified unit.

HTH and 73

John KC0G

266. Re: [Lowe_Receivers] Re: PR-150 design

Yahoo group: Lowe_Receivers
Date: 2010-07-30 07:42:31 UTC
From: Tracey Gardner
Topic: 261 Message: 266

Hello Fraser

Thanks for the comments.
John pointed me to the archives where I found what I was looking for :-)

73s Tracey

----- Original Message -----
From: "frasercastle" <fraser.castle@...>
To: <Lowe_Receivers@yahoogroups.com>
Sent: Friday, July 30, 2010 12:55 AM
Subject: [Lowe_Receivers] Re: PR-150 design

>
>
> --- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner"
> <tracey.gardner@...> wrote:
>>
>>
>> Hello Fraser and Antoni
>>
>> On the MDS 975 web site there is a small section about the early versions
>> of
>> the PR-150.
>>
>> http://www.mds975.co.uk/Content/lowe1.html
>>
>> It talks about the original PR-150 design not being a success as it
>> utilised
>> diodes in the circuitry and suffered problems with intermodulation
>> products.
>> It goes on to say that Lowe soon released a revised and much improved
>> PR-150
>> design that overcame all of these problems
>>
>> As far as I can see from the handbook the PR-150 uses pin diodes in the
>> low
>> impedance input and output circuits and reed relays in the high impedance
>> tank circuits.
>>
>> Did the original design use diodes all the way through or what?
>> How many of the early PR-150s were made/shipped before the problem was
>> recognised and what happened to these early PR-150s?
>>
>> Many thanks
>>

>> Tracey
>>
>
> Tracey,
>
> I have never seen a schematic of the early PR-150 or even a picture of
> one. I do have a picture of a PR-150 that has a large black cross head
> screw through the front panel on the LHS, just below the name decal.... I
> am not sure if this is an early PR-150 or just a user modified unit.
>
> Pin diodes in low impedance circuits are known to behave themselves quite
> well except in the presence of very strong RF as can sometimes be
> experienced when the RX aerial is too close to a TX aerial. The use of PIN
> diodes in the high impedance tank circuits is a different story and would
> present a high risk of Intermodulation products.... a disaster in a
> pre-selector !
>
> I have a vague memory of reading that the early PR-150 used Varicap diode
> tuning instead of the polyvaricon that was used later. I may have this
> wrong though. Varicap tuning was a bit of a rage at one point as evidenced
> by their use in the Palstar AA30 and Vectronics AT100 active
> antenna/pre-selectors.
>
> Regards
>
> Fraser
>
>
>
> ---
>
> Yahoo! Groups Links
>
>
>

267. PR-150 design

Yahoo group: Lowe_Receivers
Date: 2010-07-30 07:41:47 UTC
From: Tracey Gardner
Topic: 261 Message: 267

Many thanks John for pointing me in the right direction.
I should have looked at the archives first!

73s Tracey

268. Re: My new (old) HF150

Yahoo group: Lowe_Receivers
Date: 2010-07-30 21:43:18 UTC
From: frasercastle
Topic: 262 Message: 268

--- In Lowe_Receivers@yahoogroups.com, "shortsfarmer" <dougfgd@...> wrote:
>
> My last communications receiver was a Canadian Marconi 52 Set
> bought with pocket money in 1958
> I Bought the HF150 last week on Ebay £100. Not for sale; its now my new toy.
> Sold as low sensitivity which was Traced to the first mixer (faulty IC) as mentioned in the LOWE notes, so also found a supplier on ebay £12 each, Plessey would still be in business if they could get that price!
> Connected to my HP 8640 and measurements indicate that I have restored sensitivity.
> I took care removing the faulty IC by clipping each pin at the IC body individually and removing pins individually.
> The internet seems to be able to supply all manuals and schematics free other than the paper.
> Also as as others have found corrosion present in a corner of the case due to long stay / overcharging batteries.
> Im only now getting used to the lack of whistles that low intermod gives, otherwise I would have thought it was still faulty. Hum and switched mode whistles from a mains power plug goes away if replaced by a regulated bench supply.
> Getting used to the very few controls.
> I note that a finger on the internal spill of the wip connection makes a good antenna (better than a bit of wire) could this be a sign that all is not well with the J310 Jfet front end?
> PS Do people use this radio with a computer decoder for DSM demodulation?
> Doug
>

Hi Doug,

Pleased to hear you managed to repair the HF-150. It looked a very nice unit.

Regarding your question:

If the J310 FET is blown you will not hear any decent signals when the receiver is set to the whip mode via the rear switch. It is as though there is no aerial connected. Normal reception returns if the switch is setto the mid position. Be aware thathe slider switch can also cause sensitivity problems due to contaminated contacts.

Watch out for that battery leakage on the main PCB... it can lead to the death of an HF-150. Any contamination of the PCB or components must be neutralised. Be aware that the battery electrolyte will often contaminate the area under the IC's with long term detrimental effects.

Regards

Fraser

269. Re: [Lowe_Receivers] Re: My new (old) HF150

Yahoo group: Lowe_Receivers
Date: 2010-07-30 23:41:27 UTC
From: Frequency Precision Ltd
Topic: 262 Message: 269

Thanks for interest , Jfet stage still works as noise increases when
wire connected. Surprised that Im (a finger) the best antenna in coax
wip input. Very noisy pickup from the house switcher powered 12V
lights (should be banned.) have yet to design/build amtenna matching.

On 30/07/2010, frasercastle <fraser.castle@...> wrote:
>
>
> --- In Lowe_Receivers@yahoogroups.com, "shortsfarmer" <dougfgd@...> wrote:
>>
>> My last communications receiver was a Canadian Marconi 52 Set
>> bought with pocket money in 1958
>> I Bought the HF150 last week on Ebay £100. Not for sale; its now my new
>> toy.
>> Sold as low sensitivity which was Traced to the first mixer (faulty IC) as
>> mentioned in the LOWE notes, so also found a supplier on ebay £12 each,
>> Plessey would still be in business if they could get that price!
>> Connected to my HP 8640 and measurements indicate that I have restored
>> sensitivity.
>> I took care removing the faulty IC by clipping each pin at the IC body
>> individually and removing pins individually.
>> The internet seems to be able to supply all manuals and schematics free
>> other than the paper.
>> Also as as others have found corrosion present in a corner of the case due
>> to long stay / overcharging batteries.
>> Im only now getting used to the lack of whistles that low intermod gives,
>> otherwise I would have thought it was still faulty. Hum and switched mode
>> whistles from a mains power plug goes away if replaced by a regulated
>> bench supply.
>> Getting used to the very few controls.
>> I note that a finger on the internal spill of the wip connection makes a
>> good antenna (better than a bit of wire) could this be a sign that all is
>> not well with the J310 Jfet front end?
>> PS Do people use this radio with a computer decoder for DSM demodulation?
>> Doug
>>
>
> Hi Doug,
>
> Pleased to hear you managed to repair the HF-150. It looked a very nice
> unit.
>
> Regarding your question:
>
> If the J310 FET is blown you will not hear any decent signals when the

> receiver is set to the whip mode via the rear switch. It is as though there
> is no aerial connected. Normal reception returns if the switch is setto the
> mid position. Be aware thathe slider switch can also cause sensitivity
> problems due to contaminated contacts.
>
> Watch out for that battery leakage on the main PCB... it can lead to the
> death of an HF-150. Any contamination of the PCB or components must be
> neutralised. Be aware that the battery electrolyte will often contaminate
> the area under the IC's with long term detrimental effects.
>
> Regards
>
> Fraser
>
>
>
> ----------
>
> Yahoo! Groups Links
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>
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270. Re: PR-150 design

Yahoo group: Lowe_Receivers
Date: 2010-07-31 06:25:59 UTC
From: valleyjinker
Topic: 261 Message: 270

--- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <tracey.gardner@...> wrote:
>

> How many of the early PR-150s were made/shipped before the problem was
> recognised

When all added up, zero.

>and what happened to these early PR-150s?

Not these, the.

The original prototype was submitted for review. As a result of the review, the original design was effectively dropped and a new much simpler design was adopted. The original heven had a DC/DC convertor to provide high voltage to get the most out of the varicap tuning diodes used. The new design used a good old fashioned variable capacitor to do the tuning.

If I'm wrong, and you come across a PR-150 with more tuning ranges/bands than the familliar model, then you have a collectable piece of equipment!

Once a piece of information is published, even if it is wrong, it never dies!

271. Re: PR-150 design

Yahoo group: Lowe_Receivers
Date: 2010-07-31 11:23:36 UTC
From: frasercastle
Topic: 261 Message: 271

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <tracey.gardner@> wrote:
> >
>
> > How many of the early PR-150s were made/shipped before the problem was
> > recognised
>
> When all added up, zero.
>
> >and what happened to these early PR-150s?
>
> Not these, the.
>
> The original prototype was submitted for review. As a result of the review, the original design was effectively dropped and a new much simpler design was adopted. The original heven had a DC/DC convertor to provide high voltage to get the most out of the varicap tuning diodes used. The new design used a good old fashioned variable capacitor to do the tuning.
>
> If I'm wrong, and you come across a PR-150 with more tuning ranges/bands than the familliar model, then you have a collectable piece of equipment!
>
> Once a piece of information is published, even if it is wrong, it never dies!
>

So the prototype PR-150 is a classic example of failing to follow the K.I.S.S principle ;-)

I am very pleased that Lowe decided to start with a fresh piece of paper for the released unit, rather than attempt to tame the prototype design. I have yet to find a preselector that is so beautiful in it's design, performance and looks. I used to work on complex Redifon auto preselectors.... nightmarish things ! so appreciate a simple but effective design that does what it says on the tin.

Having spoken to many HF radio enthusiasts, I am sad that the PR-150 is not still in production. It's performance is held in high regard and is a godsend to owners of scanners when they wish to try HF reception with wide open front ends. Using a PR-150, the performance improvement can be quite startling.

I know that the PR-150 was designed to match the HF-150 series but it offered so much more to a wider spectrum of users who operate equipment from other manufacturers. The marketplace may not have recognised the quality and performance of the PR-150 and some would have been put off by the price tag.

I am fortunate to own several PR-150's and they serve various receivers, I am loathed to part with any as I see no equivalent in the marketplace to replace it, if required.

If you own a PR-150, I recommend that you think long and hard before selling it, even if it does achieve significant money these days.

Kind Regards

Fraser

272. Re: [Lowe_Receivers] Re: PR-150 design

Yahoo group: Lowe_Receivers
Date: 2010-07-31 13:18:34 UTC
From: crabtreejr@aol.com
Topic: 261 Message: 272

Hello Fraser

I think that you would find that the Redifon preselectors were designed for and used in shipboard installations, where there is a need to reject signals from co-located transmitters.

An excellent paper on this subject is:
R.A. Barrs, "A reappraisal of h.f. receiver selectivity", Radio and Electronic Engineer, Vol. 52 ,No. 7, 1982, pp 315-320
I have a copy of a conference paper with the same title.
Barrs was the Executive Chief Engineer at Rediffusion Radio Systems Ltd.

In the paper Barrs indicates the need for a preselector to give 20dB of attenuation at 2.5% from tune, and 37.5dB at 5% from tune. In the paper Barrs shows a microprocessor controlled preselector, with four tuned circuits. The mechanical engineering would have had to be precise to keep the tuned circuits very close to the same frequency.

The point is this. Both pieces of equipment had jobs, albeit very different ones, to do. The Lowe PR-150 is manually tuned, and no doubt gives reasonable attenuation well away from the chosen frequency. The Redifon preselector was designed for automatic operation with high levels of attenuation close to the chosen frequency, and required a technically much more challenging solution. Comparing the two is like comparing apples and oranges.

HTH and 73

John KC0G

In a message dated 7/31/2010 6:25:29 AM Central Daylight Time, fraser.castle@... writes:
> > snip >
>
> I am very pleased that Lowe decided to start with a fresh piece of paper
> for the released unit, rather than attempt to tame the prototype design. I
> have yet to find a preselector that is so beautiful in it's design,
> performance and looks. I used to work on complex Redifon auto preselectors....
> nightmarish things ! so appreciate a simple but effective design that does what
> it says on the tin.
>
> > snip>

273. Re: PR-150 design

Yahoo group: Lowe_Receivers
Date: 2010-07-31 17:06:57 UTC
From: frasercastle
Topic: 261 Message: 273

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
> Hello Fraser
>
> I think that you would find that the Redifon preselectors were designed for
> and used in shipboard installations, where there is a need to reject
> signals from co-located transmitters.
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> circuits very close to the same frequency.
>
> The point is this. Both pieces of equipment had jobs, albeit very
> different ones, to do. The Lowe PR-150 is manually tuned, and no doubt gives
> reasonable attenuation well away from the chosen frequency. The Redifon
> preselector was designed for automatic operation with high levels of attenuation
> close to the chosen frequency, and required a technically much more challenging
> solution. Comparing the two is like comparing apples and oranges.
>
> HTH and 73
>
> John KC0G
>
SNIP

John,

You have missed my point I'm afraid.

At no time was the performance of the Redifon being compared to the Lowe Preselector.....
I was highlighting the fact that having worked on Redifon automatic preselectors they were
a far more COMPLEX design and so less suited to the average home user. They also cost a
small fortune !

Your comments regarding the use of the auto preselectors match their use by my service. We
operated a 500W or 1kW Racal 18xx series TX into a omni directional Bantex monopole that
was less than 10m from the receiver monopoles that fed our 'Battleship' Plessey PR2250's.
Our 2250's were not fitted with the optional front end bandpass filter modules as the

Redifon did a handsome job of filtering the aerial output and providing protection to the RX front end.

Returning to the Redifon.... I could not recommend one to a home user for the simple reason that we found them to be unreliable in our use and a pain in the rear to repair and align... no one enjoyed working on them. Yes they were complex for a reason but that also made them a bit of a liability in service. Oh and they were the heavy 19" SWL unfriendly rack type appliance ;-) Apples and Oranges..... Yes but not in the way you took me to mean.

Regards

Fraser

274. Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-07 14:09:35 UTC
From: satellitboy
Topic: 274 Message: 274

The SSB performance of my Lowe HF-225 Europe is very good.
The audio is very nice to listen to with very low distortion, almost similar to my small SDR radio (PMSDR).
However, the audio sounds quite different dependent of the side band selection: it sounds very 'muffled' in USB, and more clear in LSB.
I assume that this is caused by the frequency response of the IF filters.
I wonder if it is possible to adjust the BFO carrier in both SSB modes so that the audio response is more or less equal.
The adjustment procedure in the service manual, however, does not help in my case.
Can anyone tell me if this adjustment is possible at all??

275. SRX-30D

Yahoo group: Lowe_Receivers
Date: 2010-08-09 23:58:21 UTC
From: davelimmer@rocketmail.com
Topic: 275 Message: 275

Hi all,

I've just taken delivery of a nice SRX-30D (Century 21D in the US, I believe) bought quite cheaply on eBay, and so far I'm quite impressed. The only fault apart from the usual dirt and scuffs was a noisy volume control, which responded well to a squirt of Servisol. I was also pleased to see that the SSB filter had been replaced with a nice Murata CFM455J1 fitted neatly under the IF board, and there was also what appears to be a factory-fitted FM demodulator slotted in underneath. This uses an unmarked 4th position on the mode switch, and has a squelch pot mounted on the back of the set.

I hardly dare say this, but it appears to be at least as good as my FRG-7 in terms of sensitivity and stability, and the digital readout is a nice bonus - and the biggest plus is that it only cost half as much! There doesn't seem to be a lot of information on the net about these receivers, and I'm interested to hear from any other users about their experiences with the set, any mods, etc. I'm already considering switching the IF filters separately so I can have narrow AM...

Look forward to hearing from all you satisfied - or otherwise - owners out there,

Regards,

Dave

276. Lowe hf22 S-meter adjust

Yahoo group: Lowe_Receivers
Date: 2010-08-11 08:02:17 UTC
From: wslowehf225
Topic: 276 Message: 276

Does anyone know how to adjust(with VR-?)the S-meter of my hf225?
I've owned 2 hf225 in the last 5 years(they are incredible good receivers!),but this year i changed my hf225 "standard" for a hf225 within d225 am synchronous detector and the Whip-option build-in.
When i was listening on 747kHz(east-Netherlands),Radio5,the signal with my first 2 hf225 always gave a 9+20db on the s-meter.
The one i own now shows me just a signal of S5 on the meter,i think something is not well adjusted,the same problem on all ham-bands and local 11/10 meter signals,too low.
I don't use the whip-option (switched off).

William-swl64

277. Re: Lowe hf22 S-meter adjust

Yahoo group: Lowe_Receivers
Date: 2010-08-11 09:24:49 UTC
From: frasercastle
Topic: 276 Message: 277

--- In Lowe_Receivers@yahoogroups.com, "wslowehf225" <swl64@...> wrote:
>
> Does anyone know how to adjust(with VR-?)the S-meter of my hf225?
> I've owned 2 hf225 in the last 5 years(they are incredible good receivers!),but this year i changed my hf225 "standard" for a hf225 within d225 am synchronous detector and the Whip-option build-in.
> When i was listening on 747kHz(east-Netherlands),Radio5,the signal with my first 2 hf225 always gave a 9+20db on the s-meter.
> The one i own now shows me just a signal of S5 on the meter,i think something is not well adjusted,the same problem on all ham-bands and local 11/10 meter signals,too low.
> I don't use the whip-option (switched off).
>
> William-swl64
>

William,

The Technical Manual for the HF-225 provides detail of this adjustment. If you have not got the service manual, I highly recommend it as it contains much technical detail and the full alignemnet process.

An incorrect S meter reading can be just a S meter circuit setting error or it can be a symptom of other maladies in the receiver. I would normaly test the receiver with a SINAD meter before adjusting the S meter to see if performance is within specification.

You may however set the S meter without risk to the receivers alignment so can do no damage by re setting the indicated level. Suggest you do some simple 'minimum detectable signal' comparisons to your other HF-225 receivers first though. a variable attenuatior is useful for such a test so that a nice strong off-air signal may be used and then attenuated to the point of loss.

The S Meter adjustment is carried out as follows:

Inject a 14.0 MHz/70% AM 160uV signal into the aerial input from a signal generator. Set the HF-225 to 14.0 MHz AM.

Adjust VR1 for an S Meter reading of S9+10 dB. Disconnect the signal generator an check that S meter reading returns to teh S1 position.

If you do not have a signal generator you could use a splitter and feed the same aerial into a reference HF-225 and your 'new' HF-225. Tune to a strong signal and then set VR1 on the 'new' receiver to match the indicated level of the reference receiver. A less than optimum method but adequate for your needs.

Regards

Fraser

278. Re: Lowe hf22 S-meter adjust

Yahoo group: Lowe_Receivers
Date: 2010-08-14 11:14:02 UTC
From: valleyjinker
Topic: 276 Message: 278

--- In Lowe_Receivers@yahoogroups.com, "wslowehf225" <swl64@...> wrote:

> When i was listening on 747kHz(east-Netherlands),Radio5,the signal with my first 2 hf225 always gave a 9+20db on the s-meter.

If you were driving on the road and your speedometer read only 60 with your foot hard down, would you take your car to the garage and ask them to adjust your speedo?

>i think something is not well adjusted,

..but maybe not your S-meter...

279. Re: Lowe hf22 S-meter adjust

Yahoo group: Lowe_Receivers
Date: 2010-08-14 12:17:59 UTC
From: frasercastle
Topic: 276 Message: 279

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "wslowehf225" <swl64@> wrote:
>
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>
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>
>
> >i think something is not well adjusted,
>
>
> ..but maybe not your S-meter...

Awwww you are so cruel VJ !

I am reminded of the bad old days of CB radio though.... certain disreputable 'rig ticklers' would 'improve' poor victims CB radios by just tweaking the S Meter/Power meter circuit so that it read higher. The poor victim then thought he/she was putting out more RF power and receiving stronger signals .... sigh :-(

I have in my life seen many receivers that were not receiving well and had the preset/core twiddling treatment. I use the term twiddling deliberately as in these cases someone had come along to 'fix' the receivers fault and just randomly adjusted the presets and inductor cores in the hope of improving the performance or eliminating the fault. Such a 'strategy' is obviously disastrous and the owner ends up with a receiver that still fails to work correctly and now has many other issues to be resolved by the qualified technician. An originally simple fault repair becomes a full diagnostic and alignment costing significantly more. I personally will not work on a receiver or piece of electronics that has been 'got at' unless the owner accepts that this has occurred and I will charge for re-alignment or rectification works.

To be fair to our fellow Group member... in this particular case the alignment of the receiver will not be damaged by an S Meter circuit adjustment and is easily corrected if required. As I have recommended, he should do some simple checks on the receivers performance first to ensure that it isn't RF deaf (a distinct possibility).

With elderly receivers that have passed through many hands, there is always the risk that the preset twiddler has been at work. In this case the 'new' HF-225 may have already been mal-adjusted and reading an incorrect S meter level. I know of several cases where owners have adjusted the S meter circuits of a particular receiver to their preferred S9 uV calibration point. Caveat Emptor.

Fraser

280. Re: Lowe hf22 S-meter adjust

Yahoo group: Lowe_Receivers
Date: 2010-08-15 12:57:26 UTC
From: valleyjinker
Topic: 276 Message: 280

Hello Fraser and swl164,

I challenge you to name anyone who has ever asked you how to turn DOWN an S-meter!

I once had to re-align an entire TS-940 HF tranceiver. EVERY single adjustment that could be adjusted had indeed been 'randomly' adjusted. My language was remarked upon as as it got worse throughout that DAY.

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@> wrote:
> >
> >
> >
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> >
> >
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> >
> >
> > ..but maybe not your S-meter...
>
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> Awwww you are so cruel VJ !
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> With elderly receivers that have passed through many hands, there is always the risk that the preset twiddler has been at work. In this case the 'new' HF-225 may have already been mal-adjusted and reading an incorrect S meter level. I know of several cases where owners have adjusted the S meter circuits of a particular receiver to their preferred S9 uV calibration point. Caveat Emptor.
>
> Fraser
>

281. Re: Lowe hf22 S-meter adjust

Yahoo group: Lowe_Receivers
Date: 2010-08-15 16:24:03 UTC
From: frasercastle
Topic: 276 Message: 281

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
> Hello Fraser and swl164,
>
> I challenge you to name anyone who has ever asked you how to turn DOWN an S-meter!
>
> I once had to re-align an entire TS-940 HF tranceiver. EVERY single adjustment that could be adjusted had indeed been 'randomly' adjusted. My language was remarked upon as as it got worse throughout that DAY.
>
>

SNIP

Hi VJ,

Fair comment.... You are correct, I have never been in the business of tweaking S meters for people. When carrying out an alignement I always set the S meter at the manufacturers specified signal input level.

I have, and always will, consider an S meter to be a purely relative signal strength device and not a precision indicator of signal strength. For precision I use an Anritsu Measuring receiver ;-)

There is a fun page here that details the results of a chaps investigation into S Meter accuracy (or lack there of) etc....

(http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/SMeterBlues.htm#)

My recommendation that the performance of a receiver be checked BEFORE adjusting the S Meter stands. I think we are agreed that the HF-225 in question probably has a defect that should be remedied but without having it on the bench wired to an SG and Sinadder I cannot be certain.

Best Wishes

Fraser

282. Re: Lowe hf22 S-meter adjust

Yahoo group: Lowe_Receivers
Date: 2010-08-15 18:18:17 UTC
From: frasercastle
Topic: 276 Message: 282

SNIP

> I once had to re-align an entire TS-940 HF tranceiver. EVERY single adjustment that could be adjusted had indeed been 'randomly' adjusted. My language was remarked upon as as it got worse throughout that DAY.
>
SNIP

OFF TOPIC but worth a mention and it's a warming to other friendly techs....

ValleyJinker, your comment regarding the TS-940 reminded me of a horror story that I had thankfully pushed into the dark recesses of my mind ;-) .....

A friend at work knows that I sometimes do repairs and re-alignments for colleagues FOC. On this occasion, circa 2006, he cheerfully presented me with a TS940S stating that he recently swapped it for his Yaesu 747GX plus some cash, but it needed some re-alignment work as some bands were a little insensitive on the RX side.

I should state in my defence that I had not worked on, nor heard the reputation of, the TS940S at this point. I quickly checked that the transceiver worked by switching it on in front of the owner.... As I switched it OFF it went POP! and the receiver died ! OH! he said.... "that happened before but I fixed it with a new transistor" At this point I should have just handed the unit back to it's owner and said no thanks but in a moment of weakness and pity I agreed to fix it..... huge mistake !!!

To cut a long story very short, I returned the TS940S to it's proud owner 3 months later....after it had consumed more hours of my time and patience than I care to remember. It was restored to full performance and as I handed it back to the owner, I gave him a piece of good advice.... SELL IT FAST for whatever you can get, and be happy that you did !

That TS940S had a demon within it in the form of more dry solder joints and dodgy components than I have ever seen in any other piece of electronic equipment. Just moving PCB's would cause multiple intermittent faults on connectors and components. The PSU had a passion for smoking and killing transistors as it was switched off (!)... an expensive habit ! There was evidence of much amateur repair work on the PSU. This had resulted in lifted tracks and ugly repairs with TCW. That transceiver was torn down to a bare chassis and every suspect solder joint desoldered, cleaned and re-soldered. It took ages and yet it still threw up more faults after being re-built. That damned PSU was an appalling mess so I ended up designing and building a new PSU daughter board that addressed the issues I was having.

Once the transceiver was repaired, I carried out a full alignment, and yes, someone had been twiddling presets before I got to it ! it just scraped through the specification but on some bands, only just. By that time I was in no mood to chase improvements in the performance. It was off back to it's owner FAST !

If I ever see a TS940S again it will be too soon !

The owner took my advice and sold the TS940S, for what price I have no idea but if it's value were based on the time I invested repairing it Then £2K wouldn't have been enough !

The moral of this story . Be very careful with your generosity and know when to refuse or abandon a repair/re-alignment job ;-)

Off topic but I hope of some interest.

Fraser

283. Re: Lowe hf22 S-meter adjust

Yahoo group: Lowe_Receivers
Date: 2010-08-16 16:13:03 UTC
From: valleyjinker
Topic: 276 Message: 283

If you deal with the stock-faults on the '940 as they come, and they will appear exactly on schedule as the set ages, it's a very nice radio to use, with excellent ergonomics and a good sound.

The stock faults aren't too much of a chore if you were expecting them. If you weren't, it would be a pig to fix.

Sounds like Fraser got the pig after incorrect surgery!

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> SNIP
>
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>
> That TS940S had a demon within it in the form of more dry solder joints and dodgy components than I have ever seen in any other piece of electronic equipment. Just moving PCB's would cause multiple intermittent faults on connectors and components. The PSU had a passion for smoking and killing transistors as it was switched off (!)... an

expensive habit ! There was evidence of much amateur repair work on the PSU. This had resulted in lifted tracks and ugly repairs with TCW. That transceiver was torn down to a bare chassis and every suspect solder joint desoldered, cleaned and re-soldered. It took ages and yet it still threw up more faults after being re-built. That damned PSU was an appalling mess so I ended up designing and building a new PSU daughter board that addressed the issues I was having.
>
> Once the transceiver was repaired, I carried out a full alignment, and yes, someone had been twiddling presets before I got to it ! it just scraped through the specification but on some bands, only just. By that time I was in no mood to chase improvements in the performance. It was off back to it's owner FAST !
>
> If I ever see a TS940S again it will be too soon !
>
> The owner took my advice and sold the TS940S, for what price I have no idea but if it's value were based on the time I invested repairing it Then £2K wouldn't have been enough !
>
> The moral of this story . Be very careful with your generosity and know when to refuse or abandon a repair/re-alignment job ;-)
>
> Off topic but I hope of some interest.
>
> Fraser
>

285. Re: My new (old) HF150

Yahoo group: Lowe_Receivers
Date: 2010-08-17 10:37:09 UTC
From: shortsfarmer
Topic: 262 Message: 285

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "shortsfarmer" <dougfgd@> wrote:
> >
> > My last communications receiver was a Canadian Marconi 52 Set
> > bought with pocket money in 1958
> > I Bought the HF150 last week on Ebay £100. Not for sale; its now my new toy.
> > Sold as low sensitivity which was Traced to the first mixer (faulty IC) as mentioned in the LOWE notes, so also found a supplier on ebay £12 each, Plessey would still be in business if they could get that price!
> > Connected to my HP 8640 and measurements indicate that I have restored sensitivity.
> > I took care removing the faulty IC by clipping each pin at the IC body individually and removing pins individually.
> > The internet seems to be able to supply all manuals and schematics free other than the paper.
> > Also as as others have found corrosion present in a corner of the case due to long stay / overcharging batteries.
> > Im only now getting used to the lack of whistles that low intermod gives, otherwise I would have thought it was still faulty. Hum and switched mode whistles from a mains power plug goes away if replaced by a regulated bench supply.
> > Getting used to the very few controls.
> > I note that a finger on the internal spill of the wip connection makes a good antenna (better than a bit of wire) could this be a sign that all is not well with the J310 Jfet front end?
> > PS Do people use this radio with a computer decoder for DSM demodulation?
> > Doug
> >
>
> Hi Doug,
>
> Pleased to hear you managed to repair the HF-150. It looked a very nice unit.
>
> Regarding your question:
>
> If the J310 FET is blown you will not hear any decent signals when the receiver is set to the whip mode via the rear switch. It is as though there is no aerial connected. Normal reception returns if the switch is setto the mid position. Be aware thathe slider switch can also cause sensitivity problems due to contaminated contacts.
>
> Watch out for that battery leakage on the main PCB... it can lead to the death of an HF-150. Any contamination of the PCB or components must be neutralised. Be aware that the battery electrolyte will often contaminate the area under the IC's with long term detrimental effects.

>
> Regards
>
> Fraser
>

Many thanks
Im on a steep learning curve, relearning that I last encountered in my teens.
The noise level on the HF-150 on a short antenna was such that even BBC mw was near unintelligable. Im sure my old HF 52 set was not so bad.
In reality its probably the high sensitivity and modern lighting and the solutions has been to put 100 feet of low loss coax out to the middle of the garden through a ferrite supressor and onto the UHF plug and add an unbalanced shortwave dipole at the other end. As yet no antenna tuning but with a home made ferrite balun.
Now the 7 and 14 meg bands come in pretty well though noise could still be better. Cant hear anything on 28MHz but maybe this is my balun.
Ps Ive disconnected the battery holders, there was sign of ancient leakage. The battery space could be a good place for small screened boxes for? I fancy a panadapter to continuously monitor the 45MHz crystal filter output. (Incidently crystals filters, and oscillators was my profession for many years)
I do notice a difference in response between the USB and LSB probably due to filter resonator aging?
Any suggestions.

Doug

286. Re: My new (old) HF150

Yahoo group: Lowe_Receivers
Date: 2010-08-18 18:17:14 UTC
From: valleyjinker
Topic: 262 Message: 286

--- In Lowe_Receivers@yahoogroups.com, "shortsfarmer" <dougfgd@...> wrote:

> I do notice a difference in response between the USB and LSB probably due to filter resonator aging?
> Any suggestions.

Hello Doug

The HF-150 doesn't have carrier insertion oscillators. To cut a long story very short, the reference oscillator is divided down and filtered to generate 455kHz injection frequencies for the product detector.

The divisions don't come out exactly ideal for LSB and USB, and that's why the SSB audio passbands are not quite the same - which often makes users suspect bad alignment.

In its defence, the CIO generating system needs no alignment and is locked to the reference oscilator, therefore clean stable and cheap!

The HF-150 was designed to give the very very best performance against cost.

287. Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-19 17:56:41 UTC
From: satellitboy
Topic: 274 Message: 287

Unfortunately no response to my question.
I would like to know if the IF ceramic filters used in the Lowe receivers and the HF-225 in particular have been selected for symmetry: the +/- bandwidth relative to it's center frequency which is the 'fixed' IF of the Lowe receiver.
The carrier frequency (BFO) cannot apparently be fine-tuned (which is common in some communication receivers and transceivers) so you never can compensate for the resulting audio response as the 'final product'.
In my case this response is clearly audible different in USB and LSB whereby the audio in USB sounds quite 'dark' and less understandable (if that is the correct word) compared with LSB signals.
If so, than I will order some additional filters (if they are still available, of course) to select the best one and put it into my HF-225 Europe, but I want to be sure that no alternate solution is available.

73's, Tom PA2TSL

--- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...> wrote:
>
> The SSB performance of my Lowe HF-225 Europe is very good.
> The audio is very nice to listen to with very low distortion, almost similar to my small SDR radio (PMSDR).
> However, the audio sounds quite different dependent of the side band selection: it sounds very 'muffled' in USB, and more clear in LSB.
> I assume that this is caused by the frequency response of the IF filters.
> I wonder if it is possible to adjust the BFO carrier in both SSB modes so that the audio response is more or less equal.
> The adjustment procedure in the service manual, however, does not help in my case.
> Can anyone tell me if this adjustment is possible at all??
>

288. Re: [Lowe_Receivers] Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-19 22:19:09 UTC
From: Frequency Precision Ltd
Topic: 274 Message: 288

I asked this question about my HF150.
Aparrently the ssb local oscillator is synthesised ayssetrically for
ease of design and hence the tone difference is not due to the
ceramic? filters.
Doug

On 19/08/2010, satellitboy <satellitboy@...> wrote:
> Unfortunately no response to my question.
> I would like to know if the IF ceramic filters used in the Lowe receivers
> and the HF-225 in particular have been selected for symmetry: the +/-
> bandwidth relative to it's center frequency which is the 'fixed' IF of the
> Lowe receiver.
> The carrier frequency (BFO) cannot apparently be fine-tuned (which is common
> in some communication receivers and transceivers) so you never can
> compensate for the resulting audio response as the 'final product'.
> In my case this response is clearly audible different in USB and LSB whereby
> the audio in USB sounds quite 'dark' and less understandable (if that is the
> correct word) compared with LSB signals.
> If so, than I will order some additional filters (if they are still
> available, of course) to select the best one and put it into my HF-225
> Europe, but I want to be sure that no alternate solution is available.
>
> 73's, Tom PA2TSL
>
>
> --- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...>
> wrote:
>>
>> The SSB performance of my Lowe HF-225 Europe is very good.
>> The audio is very nice to listen to with very low distortion, almost
>> similar to my small SDR radio (PMSDR).
>> However, the audio sounds quite different dependent of the side band
>> selection: it sounds very 'muffled' in USB, and more clear in LSB.
>> I assume that this is caused by the frequency response of the IF filters.
>> I wonder if it is possible to adjust the BFO carrier in both SSB modes so
>> that the audio response is more or less equal.
>> The adjustment procedure in the service manual, however, does not help in
>> my case.
>> Can anyone tell me if this adjustment is possible at all??
>>
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> Yahoo! Groups Links
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289. Re: [Lowe_Receivers] Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-20 02:52:40 UTC
From: crabtreejr@aol.com
Topic: 274 Message: 289

It is time to look at the actual BFO frequencies...

For the HF-225, the frequencies are:
LSB 453.600 kHz
USB 456.378 kHz
The difference from the nominal center frequency of 455.000 kHz is 22 Hz, which you will not be able to detect by listening.

For the HF-150, the frequencies are:
LSB/ASL 453.628 kHz
USB/ASU 456.542 kHz
ASL means lower sideband AM synchronous detection, and uses the narrow filter. ASU means upper sideband AM synchronous detection

The difference in the filter offsets is 166 Hz, I suppose that this might be audible ??? I do wonder if the filters have similar roll-off characteristics at the lower and upper ends ?

Any way, I susupect that both the HF-150 and HF-225 both use the Murata CFJ455K5 as the narrow filter. I have always thought that this was the lower spec 2.4 kHz SSB filter, and that the CFJ455K13 and CFJ455K14 were possibly slightly better characterised. If you want to change the filter you might be bettter off looking for one of these. They will not be easy to find, and will not be cheap. You need to find the specifications to check this - you are on your own on this one.

If you want to widen the filter a little bit, you could try and find a CFJ455K4 which had a nominal 2.7kHz bandwidth. They used to be used in some japanese shortwave receivers, and that was some 20+ years ago.

Or you could find a 2.4kHz crystal filter, or Collins 2.6kHz mechanical filter, and mount it off the board. However, then there is the issue of stray capaitance arounfd the filter....

HTH and 73

John KC0G

In a message dated 8/19/2010 5:19:16 PM Central Daylight Time, dougfgd@... writes:
> I asked this question about my HF150.
> Aparrently the ssb local oscillator is synthesised ayssetrically for
> ease of design and hence the tone difference is not due to the
> ceramic? filters.
> Doug
>
> On 19/08/2010, satellitboy <satellitboy@...> wrote:

> > Unfortunately no response to my question.
> > I would like to know if the IF ceramic filters used in the Lowe
> receivers
> > and the HF-225 in particular have been selected for symmetry: the +/-
> > bandwidth relative to it's center frequency which is the 'fixed' IF of
> the
> > Lowe receiver.
> > The carrier frequency (BFO) cannot apparently be fine-tuned (which is
> common
> > in some communication receivers and transceivers) so you never can
> > compensate for the resulting audio response as the 'final product'.
> > In my case this response is clearly audible different in USB and LSB
> whereby
> > the audio in USB sounds quite 'dark' and less understandable (if that is
> the
> > correct word) compared with LSB signals.
> > If so, than I will order some additional filters (if they are still
> > available, of course) to select the best one and put it into my HF-225
> > Europe, but I want to be sure that no alternate solution is available.
> >
> > 73's, Tom PA2TSL
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...>
> > wrote:
> >>
> >> The SSB performance of my Lowe HF-225 Europe is very good.
> >> The audio is very nice to listen to with very low distortion, almost
> >> similar to my small SDR radio (PMSDR).
> >> However, the audio sounds quite different dependent of the side band
> >> selection: it sounds very 'muffled' in USB, and more clear in LSB.
> >> I assume that this is caused by the frequency response of the IF
> filters.
> >> I wonder if it is possible to adjust the BFO carrier in both SSB modes
> so
> >> that the audio response is more or less equal.
> >> The adjustment procedure in the service manual, however, does not help
> in
> >> my case.
> >> Can anyone tell me if this adjustment is possible at all??
> >>
> >
>

290. Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-20 13:57:35 UTC
From: valleyjinker
Topic: 274 Message: 290

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
> It is time to look at the actual BFO frequencies...
>
> For the HF-225, the frequencies are:
> LSB 453.600 kHz
> USB 456.378 kHz
> The difference from the nominal center frequency of 455.000 kHz is 22 Hz,
> which you will not be able to detect by listening.
>
> For the HF-150, the frequencies are:
> LSB/ASL 453.628 kHz
> USB/ASU 456.542 kHz
> ASL means lower sideband AM synchronous detection, and uses the narrow
> filter. ASU means upper sideband AM synchronous detection
>
> The difference in the filter offsets is 166 Hz, I suppose that this might
> be audible ??? I do wonder if the filters have similar roll-off
> characteristics at the lower and upper ends ?
>
> Any way, I susupect that both the HF-150 and HF-225 both use the Murata
> CFJ455K5 as the narrow filter.

Can't remember exactly what filters are used in each set, but I know the 'ssb' filter in the '225 is narrower than in the '150.

I found this out by fitting a '225 filter in my '150. The SSB response was narrower but I lost the ASL and ASU "single sideband sync AM" modes.

This was because the wider '150 filter allowed some carrier through for the sync system to lock onto, where the '225 one didn't.

This combined with the non-ideal '150 CIO frequencies explains why the standard '150's ASU locks better than ASL ....or was it t'other way about?

291. Re: [Lowe_Receivers] Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-20 14:32:05 UTC
From: crabtreejr@aol.com
Topic: 274 Message: 291

In a message dated 8/20/2010 8:58:12 AM Central Daylight Time,
antoni@... writes:
> --- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
> >
> > It is time to look at the actual BFO frequencies...
> >
> > For the HF-225, the frequencies are:
> > LSB 453.600 kHz
> > USB 456.378 kHz
> > The difference from the nominal center frequency of 455.000 kHz is 22
> Hz,
> > which you will not be able to detect by listening.
> >
> > For the HF-150, the frequencies are:
> > LSB/ASL 453.628 kHz
> > USB/ASU 456.542 kHz
> > ASL means lower sideband AM synchronous detection, and uses the narrow
> > filter. ASU means upper sideband AM synchronous detection
> >
> > The difference in the filter offsets is 166 Hz, I suppose that this
> might
> > be audible ??? I do wonder if the filters have similar roll-off
> > characteristics at the lower and upper ends ?
> >
> > Any way, I susupect that both the HF-150 and HF-225 both use the Murata
> > CFJ455K5 as the narrow filter.
>
> Can't remember exactly what filters are used in each set, but I know the
> 'ssb' filter in the '225 is narrower than in the '150.
>
> I found this out by fitting a '225 filter in my '150. The SSB response was
> narrower but I lost the ASL and ASU "single sideband sync AM" modes.
>
> This was because the wider '150 filter allowed some carrier through for
> the sync system to lock onto, where the '225 one didn't.
>
> This combined with the non-ideal '150 CIO frequencies explains why the
> standard '150's ASU locks better than ASL ....or was it t'other way about?
>

Antoni, thank you for this.

I have just pulled the cover off my HF-225. It has the CFJ455K14 filter,
not the K5 as I had assumed. Mea Culpa.

Would anybody care to pop the cover on an HF-150 and let us know what the filter is?

Given the smaller frequency offset from 455kHz, I would expect that, if there were any difference in the locking, ASL would lock better.

73 John KC0G

292. Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-20 16:28:45 UTC
From: frasercastle
Topic: 274 Message: 292

```
SNIP
>
> Antoni, thank you for this.
>
> I have just pulled the cover off my HF-225. It has the CFJ455K14 filter,
> not the K5 as I had assumed. Mea Culpa.
>
> Would anybody care to pop the cover on an HF-150 and let us know what the
> filter is?
>
> Given the smaller frequency offset from 455kHz, I would expect that, if
> there were any difference in the locking, ASL would lock better.
>
> 73 John KC0G
>

CFJ455K5
```

293. Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-20 21:39:04 UTC
From: satellitboy
Topic: 274 Message: 293

Hello Antoni,

I will submit a request for some of these filters (CFJ455K14) at Lowe, so I can select the best one (best symmetry) to put into my HF-225E.
I hope that these filters are still available in the 'heritage stock'.
I also consider to replace the CFK455J filter (3,5 kHz) with a CFK455H filter (6 kHz) so I can receive the NBFM stations in the 10 and 11 m bands without the excessive distortion.
It will, of course, affect the different AM bandwidths but that is less important for me: I can still select between 'wide' and 'narrow' bandwidths.
I cannot, however, find any proper data sheets for the CFK type filters so I do not know if they have the same size and pin configuration.
Anyway, it is worthwhile to try, and maybe it will result in a more 'balanced' audio spectrum in both SSB modes.

73's, Tom PA2TSL

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, crabtreejr@ wrote:
> >
> > It is time to look at the actual BFO frequencies...
> >
> > For the HF-225, the frequencies are:
> > LSB 453.600 kHz
> > USB 456.378 kHz
> > The difference from the nominal center frequency of 455.000 kHz is 22 Hz,
> > which you will not be able to detect by listening.
> >
> > For the HF-150, the frequencies are:
> > LSB/ASL 453.628 kHz
> > USB/ASU 456.542 kHz
> > ASL means lower sideband AM synchronous detection, and uses the narrow
> > filter. ASU means upper sideband AM synchronous detection
> >
> > The difference in the filter offsets is 166 Hz, I suppose that this might
> > be audible ??? I do wonder if the filters have similar roll-off
> > characteristics at the lower and upper ends ?
> >
> > Any way, I susupect that both the HF-150 and HF-225 both use the Murata
> > CFJ455K5 as the narrow filter.
>
>
> Can't remember exactly what filters are used in each set, but I know the 'ssb' filter in the '225 is narrower than in the '150.

>
> I found this out by fitting a '225 filter in my '150. The SSB response was narrower but I lost the ASL and ASU "single sideband sync AM" modes.
>
> This was because the wider '150 filter allowed some carrier through for the sync system to lock onto, where the '225 one didn't.
>
> This combined with the non-ideal '150 CIO frequencies explains why the standard '150's ASU locks better than ASL ....or was it t'other way about?
>

294. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2010-08-20 22:42:22 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 294

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /Murata Filters/muratafilter.pdf
Uploaded by : frasercastle <fraser.castle@...>
Description : Murata Filter specifications

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/Murata%20Filters/muratafilter.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

frasercastle <fraser.castle@...>
```

295. Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-20 23:09:47 UTC
From: frasercastle
Topic: 274 Message: 295

--- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...> wrote:
>
> Hello Antoni,
>
> I will submit a request for some of these filters (CFJ455K14) at Lowe, so I can select the best one (best symmetry) to put into my HF-225E.
> I hope that these filters are still available in the 'heritage stock'.
> I also consider to replace the CFK455J filter (3,5 kHz) with a CFK455H filter (6 kHz) so I can receive the NBFM stations in the 10 and 11 m bands without the excessive distortion.
> It will, of course, affect the different AM bandwidths but that is less important for me: I can still select between 'wide' and 'narrow' bandwidths.
> I cannot, however, find any proper data sheets for the CFK type filters so I do not know if they have the same size and pin configuration.
> Anyway, it is worthwhile to try, and maybe it will result in a more 'balanced' audio spectrum in both SSB modes.
>
> 73's, Tom PA2TSL
>
> SNIP

Tom,

I will do some digging in my old AMBIT magazines as I think the spec for the CFH455K5 & 12 may be in one of them. In th emean time I have uploaded the Murata Ceramic filter catalogue to the files area. The CFK455 range does not show the K version but the CFJ455 does include such a spec and that is listed. The CFJ & CFK range spec should be close at the -6dB point.

From memory, the K5 has 2.4 KHz BW @ -6dB whereas the K14 is 2.2 KHz BW. Both are the same quality of filter, just BW difference.

Hope this helps

Fraser

296. Re: [Lowe_Receivers] Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-21 04:21:50 UTC
From: crabtreejr@aol.com
Topic: 274 Message: 296

Hello Tom

Before you replace the CFK455J filter (3,5 kHz) with a CFK455H filter (6 kHz), you might want to consider signal routings through the filters in the 225E.

The filters in the 225E were listed by Fraser at:
http://groups.yahoo.com/group/Lowe_Receivers/message/25

I recall a posting, probably from Fraser, and quite possibly on the other group, re the filter map for the HF-225 and HF-225E. They are different.

Here is an educated guess re. the filter routings on the HF-225E

1. 2.2kHz First filter 2.2kHz, second filter 4.5 kHz
2. 3.5kHz First filter 3.5 kHz, second filter 4.5 kHz
3. 4.5 kHz First filter 7 kHz, second filter 4.5 kHz
7. 7 kHz First filter 7 kHz, second filter - bypass

If you change the 3.5kHz filter for a 6+ kHz filter, you probably will not get the full increase in bandwidth which you might expect.

Would you be better off replacing the 7kHz filter with a higher quality one?

The 4.5kHz and 7 kHz filter are plastic bodied. The CFK series is one of the smaller if not the smallest of the metal cased filters. However it is larger than a plastic cased filter.

HTH and 73

John KC0G

In a message dated 8/20/2010 4:44:27 PM Central Daylight Time, satellitboy@... writes:
> I will submit a request for some of these filters (CFJ455K14) at Lowe, so
> I can select the best one (best symmetry) to put into my HF-225E.
> I hope that these filters are still available in the 'heritage stock'.
> I also consider to replace the CFK455J filter (3,5 kHz) with a CFK455H
> filter (6 kHz) so I can receive the NBFM stations in the 10 and 11 m bands
> without the excessive distortion.
> It will, of course, affect the different AM bandwidths but that is less
> important for me: I can still select between 'wide' and 'narrow' bandwidths.
> I cannot, however, find any proper data sheets for the CFK type filters so
> I do not know if they have the same size and pin configuration.
> Anyway, it is worthwhile to try, and maybe it will result in a more
> 'balanced' audio spectrum in both SSB modes.
>

> 73's, Tom PA2TSL
>

297. Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-21 22:02:58 UTC
From: frasercastle
Topic: 274 Message: 297

SNIP
>
> Tom,
>
> I will do some digging in my old AMBIT magazines as I think the spec for the CFH455K5 & 12 may be in one of them. In th emean time I have uploaded the Murata Ceramic filter catalogue to the files area. The CFK455 range does not show the K version but the CFJ455 does include such a spec and that is listed. The CFJ & CFK range spec should be close at the -6dB point.
>
> From memory, the K5 has 2.4 KHz BW @ -6dB whereas the K14 is 2.2 KHz BW. Both are the same quality of filter, just BW difference.
>
> Hope this helps
>
> Fraser
>

I just re-read this message.... oh dear, typo's galore... I must have been tired. Sorry.

I have just checked the spec on the CFJ455K5 and K14. It is interesting to note that the K14 has a looser bandwidth spec than the K5, see below:

Type 6dB B/W 60dB B/W Loss IMP

CFJ455K5 2.4KHz 4.5KHz 6dB 2000
CFJ455K14 2.2-2.6KHz 4.5KHz 6dB 2000

Bearing in mind that cermaic filter specs are usually 'best case scenario' and are often wider bandwidth in circuit, the K14 could be >2.6KHz in the real world.

So which is the better filter I wonder ? Select on test is an expensive idea with SSB filters !

Regards

Fraser

298. Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-22 12:03:07 UTC
From: frasercastle
Topic: 274 Message: 298

SNIP
>
> I just re-read this message.... oh dear, typo's galore... I must have been tired. Sorry.
>
> I have just checked the spec on the CFJ455K5 and K14. It is interesting to note that the K14 has a looser bandwidth spec than the K5, see below:
>
> Type 6dB B/W 60dB B/W Loss IMP
>
> CFJ455K5 2.4KHz 4.5KHz 6dB 2000
> CFJ455K14 2.2-2.6KHz 4.5KHz 6dB 2000
>
> Bearing in mind that cermaic filter specs are usually 'best case scenario' and are often wider bandwidth in circuit, the K14 could be >2.6KHz in the real world.
>
> So which is the better filter I wonder ? Select on test is an expensive idea with SSB filters !
>
> Regards
>
> Fraser
>

OK just to finish my comments on the differences between the K5 and K14 SSB filter specs.....

The K14 is a superior spec to that of the K5 in that it's B/W is stated as + or - 1.1 to 1.3KHz as opposed to the K5 spec of 2.4KHz TOTAL. That is to say the K14 states a centred spec whereas the K5 only gives a total bandwidth which may or may not be symetrical around 455 KHz. If bandpass symetry is important to you, the K14 is the better option.

Fraser

299. HF-125 case?

Yahoo group: Lowe_Receivers
Date: 2010-08-25 13:42:35 UTC
From: Tracey Gardner
Topic: 261 Message: 299

As I haven't owned an HF-125, am I correct in assuming that the cases are a direct swop for the HF-225 ones?

Thanks

Tracey

300. Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-25 17:15:07 UTC
From: satellitboy
Topic: 274 Message: 300

Hello all,

Thanks all for your suggestions and information!
I will order 1 or 2 CFJ455K14 filters and check which one is the best for an equal audio response in USB and LSB.
They seem to be still available in the 'hertiage stock'.

In addition, I would like to add the W225 preamp in my HF-225E.
This preamp, however, is no longer available, but maybe I can replace it with the one for the HF-125 which is still in 'stock'.
(I will open a new thread regarding that subject to keep the discussion threads 'clean').

Of course, I will let you know what the results will be of my filter experiments.

73's de Tom PA2TSL

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
> SNIP
> >
> > I just re-read this message.... oh dear, typo's galore... I must have been tired. Sorry.
> >
> > I have just checked the spec on the CFJ455K5 and K14. It is interesting to note that the K14 has a looser bandwidth spec than the K5, see below:
> >
> > Type 6dB B/W 60dB B/W Loss IMP
> >
> > CFJ455K5 2.4KHz 4.5KHz 6dB 2000
> > CFJ455K14 2.2-2.6KHz 4.5KHz 6dB 2000
> >
> > Bearing in mind that cermaic filter specs are usually 'best case scenario' and are often wider bandwidth in circuit, the K14 could be >2.6KHz in the real world.
> >
> > So which is the better filter I wonder ? Select on test is an expensive idea with SSB filters !
> >
> > Regards
> >
> > Fraser
> >
>
>
> OK just to finish my comments on the differences between the K5 and K14 SSB filter specs.....
>

> The K14 is a superior spec to that of the K5 in that it's B/W is stated as + or - 1.1 to 1.3KHz as opposed to the K5 spec of 2.4KHz TOTAL. That is to say the K14 states a centred spec whereas the K5 only gives a total bandwidth which may or may not be symetrical around 455 KHz. If bandpass symetry is important to you, the K14 is the better option.
>
> Fraser
>

301. Re: Audio response different in USB and LSB

Yahoo group: Lowe_Receivers
Date: 2010-08-25 18:07:15 UTC
From: frasercastle
Topic: 274 Message: 301

--- In Lowe_Receivers@yahoogroups.com, "satellitboy" <satellitboy@...> wrote:
>
> Hello all,
>
> Thanks all for your suggestions and information!
> I will order 1 or 2 CFJ455K14 filters and check which one is the best for an equal audio response in USB and LSB.
> They seem to be still available in the 'hertiage stock'.
>
> In addition, I would like to add the W225 preamp in my HF-225E.
> This preamp, however, is no longer available, but maybe I can replace it with the one for the HF-125 which is still in 'stock'.
> (I will open a new thread regarding that subject to keep the discussion threads 'clean').
>
> Of course, I will let you know what the results will be of my filter experiments.
>
> 73's de Tom PA2TSL
>
SNIP

Tom,

Regarding the W-225 replacement with the P-125 (potability option) as fitted in the HF-125.... Like you I hoped that the HF-125 unit could be used in an HF-225 without too much modification. Sadly this is not the case. You would need to basically rebuild the whip amplifier to suit the HF-225 application. The pictures of teh amplifiers are in teh Groups photo section. The two units are quite disimilar circuits.

Fraser

302. [Lowe_Receivers] whip amplifiers in HF-125 and HF-225

Yahoo group: Lowe_Receivers
Date: 2010-08-25 18:17:39 UTC
From: crabtreejr@aol.com
Topic: 302 Message: 302

Hello Tom

I seem to be the bearer of bad news..

In the HF-125, there was a portable option board, ie the P-125. This included the circuitry for the whip amplifier, a switch to select the whip amplifier, a connector to the NiCad battery pack, a 6-pin connector to the main PCB, etc. It appears from the technical (ie service) manual, that the installation of this board required addiitonal connections to the on-off switch / volume control.

In the HF-225, there was a separate whip amplifier board, the W-225. This just had the whip amplifier circuitry, with a 4-pin connector to the main PCB.

Quite simply the W-225 is very different from the P-125, and it might be a real challenge to fit the P-125 into the HF-225, if it can fit at all. I recall this being discusssed in the other group, but the search engine is not working at the moment.

You might wish to consider building your own version of the W-225. There is a .bmp file on this subject in the files section of this group, in the "Lowe related projects" folder.

HTH and 73

John KC0G

In a message dated 8/25/2010 12:15:18 PM Central Daylight Time, satellitboy@... writes:
> Hello all,
>
> Thanks all for your suggestions and information!
> I will order 1 or 2 CFJ455K14 filters and check which one is the best for
> an equal audio response in USB and LSB.
> They seem to be still available in the 'hertiage stock'.
>
> In addition, I would like to add the W225 preamp in my HF-225E.
> This preamp, however, is no longer available, but maybe I can replace it
> with the one for the HF-125 which is still in 'stock'.
> (I will open a new thread regarding that subject to keep the discussion
> threads 'clean').
>
> Of course, I will let you know what the results will be of my filter
> experiments.
>
> 73's de Tom PA2TSL

>

303. Re: HF-125 case?

Yahoo group: Lowe_Receivers
Date: 2010-08-25 18:23:39 UTC
From: frasercastle
Topic: 261 Message: 303

--- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <tracey.gardner@...> wrote:
>
>
> As I haven't owned an HF-125, am I correct in assuming that the cases are a
> direct swop for the HF-225 ones?
>
> Thanks
>
> Tracey
>

Tracey,

I have just put an HF-125 next to an HF-225 and apart from colour and finish they are the same. Dimensions & screw spacings identical.

If you put Grey covers on an HF-125 you might have an odd looking receiver though as the front panel is cream !

Regards

Fraser

304. Re: [Lowe_Receivers] Re: HF-125 case?

Yahoo group: Lowe_Receivers
Date: 2010-08-25 18:38:15 UTC
From: crabtreejr@aol.com
Topic: 261 Message: 304

In a message dated 8/25/2010 1:23:49 PM Central Daylight Time,
fraser.castle@... writes:
> --- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <
> tracey.gardner@...> wrote:
> >
> >
> > As I haven't owned an HF-125, am I correct in assuming that the cases
> are a
> > direct swop for the HF-225 ones?
> >
> > Thanks
> >
> > Tracey
> >
>
> Tracey,
>
> I have just put an HF-125 next to an HF-225 and apart from colour and
> finish they are the same. Dimensions & screw spacings identical.
>
> If you put Grey covers on an HF-125 you might have an odd looking receiver
> though as the front panel is cream !
>
> Regards
>
> Fraser
>

Fraser,

On bottom part of the case of the HF-225, there are three holes for each of
the four mounting feet. A screw goes through one of them, and the other
two are locating holes.

The HF-125 has a different stand. Presumably there are mounting holes.
Are they the same as the HF-225? What about the rear feet on the HF-125?

73 John KC0G

305. Re: HF-125 case?

Yahoo group: Lowe_Receivers
Date: 2010-08-25 19:33:53 UTC
From: frasercastle
Topic: 261 Message: 305

SNIP

>
> Fraser,
>
> On bottom part of the case of the HF-225, there are three holes for each of
> the four mounting feet. A screw goes through one of them, and the other
> two are locating holes.
>
> The HF-125 has a different stand. Presumably there are mounting holes.
> Are they the same as the HF-225? What about the rear feet on the HF-125?
>
> 73 John KC0G
>

John,

A good point and one that I did not address.

When discussing the exchange of cases I automatically assumed that the HF-225 feet would be fitted to the grey case panels... an assumption I should have made clear in my comments.

I can confirm that the HF-225 case has different feet to those of the HF-125 and at different locations. If fitting HF-225 case panels to the HF-125, HF-225 feet should be used.

There is the option to drill additional holes in the HF-225 lower case panel but that would be less than ideal and I prefer the HF-225 feet anyway ;-)

Regards

Fraser

306. Re: whip amplifiers in HF-125 and HF-225

Yahoo group: Lowe_Receivers
Date: 2010-08-25 21:44:57 UTC
From: satellitboy
Topic: 302 Message: 306

Hello John,

Thanks for your reply.
I think that it is, indeed, the only solution left for building it myself.
Most components should be available, only the RF transformer may be difficult.
I already have some information regarding the proper type of the ferrite core material (found in this forum).
However, the nr. of turns is not clear to me: I see 7 + 7:3 in the diagram: does that mean 2 x 7 turns, with a tap on the secondary coil after 3 turns??

Anyway, I will start collecting the parts.

73's, Tom PA2TSL

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
> Hello Tom
>
> I seem to be the bearer of bad news..
>
> In the HF-125, there was a portable option board, ie the P-125. This
> included the circuitry for the whip amplifier, a switch to select the whip
> amplifier, a connector to the NiCad battery pack, a 6-pin connector to the main
> PCB, etc. It appears from the technical (ie service) manual, that the
> installation of this board required addiitonal connections to the on-off switch /
> volume control.
>
> In the HF-225, there was a separate whip amplifier board, the W-225. This
> just had the whip amplifier circuitry, with a 4-pin connector to the main
> PCB.
>
> Quite simply the W-225 is very different from the P-125, and it might be a
> real challenge to fit the P-125 into the HF-225, if it can fit at all. I
> recall this being discusssed in the other group, but the search engine is not
> working at the moment.
>
> You might wish to consider building your own version of the W-225. There
> is a .bmp file on this subject in the files section of this group, in the
> "Lowe related projects" folder.
>
> HTH and 73
>
> John KC0G
>
>
> In a message dated 8/25/2010 12:15:18 PM Central Daylight Time,

> satellitboy@... writes:
> > Hello all,
> >
> > Thanks all for your suggestions and information!
> > I will order 1 or 2 CFJ455K14 filters and check which one is the best for
> > an equal audio response in USB and LSB.
> > They seem to be still available in the 'hertiage stock'.
> >
> > In addition, I would like to add the W225 preamp in my HF-225E.
> > This preamp, however, is no longer available, but maybe I can replace it
> > with the one for the HF-125 which is still in 'stock'.
> > (I will open a new thread regarding that subject to keep the discussion
> > threads 'clean').
> >
> > Of course, I will let you know what the results will be of my filter
> > experiments.
> >
> > 73's de Tom PA2TSL
> >
>

307. Re: [Lowe_Receivers] Re: whip amplifiers in HF-125 and HF-225

Yahoo group: Lowe_Receivers
Date: 2010-08-25 22:48:42 UTC
From: crabtreejr@aol.com
Topic: 302 Message: 307

Hello Tom

The way that I read 7 + 7 : 3 is:
the winding connected to the collector is centre-tapped, and consists of
7 + 7 turns
the winding connected to the emitter cosists of 3 turns

The drawing does not, as it should, show the phasing of the windings.

73 John KC0G

In a message dated 8/25/2010 4:45:07 PM Central Daylight Time, satellitboy@
yahoo.com writes:
> Hello John,
>
> Thanks for your reply.
> I think that it is, indeed, the only solution left for building it myself.
> Most components should be available, only the RF transformer may be
> difficult.
> I already have some information regarding the proper type of the ferrite
> core material (found in this forum).
> However, the nr. of turns is not clear to me: I see 7 + 7:3 in the
> diagram: does that mean 2 x 7 turns, with a tap on the secondary coil after 3
> turns??
>
> Anyway, I will start collecting the parts.
>
> 73's, Tom PA2TSL
>
> --- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
> >
> > Hello Tom
> >
> > I seem to be the bearer of bad news..
> >
> > In the HF-125, there was a portable option board, ie the P-125. This
> > included the circuitry for the whip amplifier, a switch to select the
> whip
> > amplifier, a connector to the NiCad battery pack, a 6-pin connector to
> the main
> > PCB, etc. It appears from the technical (ie service) manual, that the
> > installation of this board required addiitonal connections to the on-off
> switch /
> > volume control.
> >
> > In the HF-225, there was a separate whip amplifier board, the W-225.

> This
> > just had the whip amplifier circuitry, with a 4-pin connector to the
> main
> > PCB.
> >
> > Quite simply the W-225 is very different from the P-125, and it might be
> a
> > real challenge to fit the P-125 into the HF-225, if it can fit at all. I
>
> > recall this being discusssed in the other group, but the search engine
> is not
> > working at the moment.
> >
> > You might wish to consider building your own version of the W-225. There
>
> > is a .bmp file on this subject in the files section of this group, in
> the
> > "Lowe related projects" folder.
> >
> > HTH and 73
> >
> > John KC0G
> >
> >
> > In a message dated 8/25/2010 12:15:18 PM Central Daylight Time,
> > satellitboy@... writes:
> > > Hello all,
> > >
> > > Thanks all for your suggestions and information!
> > > I will order 1 or 2 CFJ455K14 filters and check which one is the best
> for
> > > an equal audio response in USB and LSB.
> > > They seem to be still available in the 'hertiage stock'.
> > >
> > > In addition, I would like to add the W225 preamp in my HF-225E.
> > > This preamp, however, is no longer available, but maybe I can replace
> it
> > > with the one for the HF-125 which is still in 'stock'.
> > > (I will open a new thread regarding that subject to keep the
> discussion
> > > threads 'clean').
> > >
> > > Of course, I will let you know what the results will be of my filter
> > > experiments.
> > >
> > > 73's de Tom PA2TSL
> > >
>

308. Re: whip amplifiers in HF-125 and HF-225

Yahoo group: Lowe_Receivers
Date: 2010-08-26 09:37:07 UTC
From: satellitboy
Topic: 302 Message: 308

John, that makes sense!
This should be the way that the transformer has to be build.

73's, Tom

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
> Hello Tom
>
> The way that I read 7 + 7 : 3 is:
> the winding connected to the collector is centre-tapped, and consists of
> 7 + 7 turns
> the winding connected to the emitter cosists of 3 turns
>
> The drawing does not, as it should, show the phasing of the windings.
>
> 73 John KC0G
>
>
> In a message dated 8/25/2010 4:45:07 PM Central Daylight Time, satellitboy@
> yahoo.com writes:
> > Hello John,
> >
> > Thanks for your reply.
> > I think that it is, indeed, the only solution left for building it myself.
> > Most components should be available, only the RF transformer may be
> > difficult.
> > I already have some information regarding the proper type of the ferrite
> > core material (found in this forum).
> > However, the nr. of turns is not clear to me: I see 7 + 7:3 in the
> > diagram: does that mean 2 x 7 turns, with a tap on the secondary coil after 3
> > turns??
> >
> > Anyway, I will start collecting the parts.
> >
> > 73's, Tom PA2TSL
> >
> > --- In Lowe_Receivers@yahoogroups.com, crabtreejr@ wrote:
> > >
> > > Hello Tom
> > >
> > > I seem to be the bearer of bad news..
> > >
> > > In the HF-125, there was a portable option board, ie the P-125. This
> > > included the circuitry for the whip amplifier, a switch to select the

> > whip
> > > amplifier, a connector to the NiCad battery pack, a 6-pin connector to
> > the main
> > > PCB, etc. It appears from the technical (ie service) manual, that the
> > > installation of this board required addiitonal connections to the on-off
> > switch /
> > > volume control.
> > >
> > > In the HF-225, there was a separate whip amplifier board, the W-225.
> > This
> > > just had the whip amplifier circuitry, with a 4-pin connector to the
> > main
> > > PCB.
> > >
> > > Quite simply the W-225 is very different from the P-125, and it might be
> > a
> > > real challenge to fit the P-125 into the HF-225, if it can fit at all. I
> >
> > > recall this being discusssed in the other group, but the search engine
> > is not
> > > working at the moment.
> > >
> > > You might wish to consider building your own version of the W-225. There
> >
> > > is a .bmp file on this subject in the files section of this group, in
> > the
> > > "Lowe related projects" folder.
> > >
> > > HTH and 73
> > >
> > > John KC0G
> > >
> > >
> > > In a message dated 8/25/2010 12:15:18 PM Central Daylight Time,
> > > satellitboy@ writes:
> > > > Hello all,
> > > >
> > > > Thanks all for your suggestions and information!
> > > > I will order 1 or 2 CFJ455K14 filters and check which one is the best
> > for
> > > > an equal audio response in USB and LSB.
> > > > They seem to be still available in the 'hertiage stock'.
> > > >
> > > > In addition, I would like to add the W225 preamp in my HF-225E.
> > > > This preamp, however, is no longer available, but maybe I can replace
> > it
> > > > with the one for the HF-125 which is still in 'stock'.
> > > > (I will open a new thread regarding that subject to keep the
> > discussion
> > > > threads 'clean').

> > > >
> > > > Of course, I will let you know what the results will be of my filter
> > > > experiments.
> > > >
> > > > 73's de Tom PA2TSL
> > > >
> >
>

309. HF-125 keypad K-125 picture

Yahoo group: Lowe_Receivers
Date: 2010-08-27 16:07:00 UTC
From: frasercastle
Topic: 309 Message: 309

I have just managed to obtain a K-125 keypad for use with the HF-125 receiver. For those with an interest, I have uploaded a picture of the unit to the Photo's area, in the 'keypads' Album.

This is the first K-125 that I have seen and I was surprised to see that it is not cream, but rather sand coloured. I have confirmed that this is the natural coulor and not the effects of UV causing discolouration. The unit is circa 1987 and in excellent condition considering it's age.

The ubiquitus SL490B is to be found lurking inside, but the PCB is completely different in appearance to those of the later K-225 and KPAD-1.

Fraser

310. Upgraded 225 still for sale

Yahoo group: Lowe_Receivers
Date: 2010-09-15 01:54:36 UTC
From: mikey
Topic: 310 Message: 310

just a reminder I still have an upgraded 225 for sale.
3 budget filters upgraded to premium filters
white LED backlighting installed
higher quality speaker upgrade
includes whip amp and sync board
comes with either wired or wireless keypad
a set of original manuals
$550 plus shipping or trade for ?

this might be the best 225 you will ever be able to own

311. ALPS tuning encoder

Yahoo group: Lowe_Receivers
Date: 2010-09-17 18:40:52 UTC
From: willemvds
Topic: 311 Message: 311

Hello

Can somebody tell me what the type nummer is of the original ALPS encoder from my HF-150.

Thanks
Wim (Holland)

312. Re: [Lowe_Receivers] ALPS tuning encoder

Yahoo group: Lowe_Receivers
Date: 2010-09-20 17:29:12 UTC
From: crabtreejr@aol.com
Topic: 311 Message: 312

Hello Wim

I believe that the part number was LA226. They have not been made for
"many" years.

HTH and 73

John KC0G

In a message dated 9/17/2010 1:41:20 PM Central Daylight Time,
swstation@... writes:
> Hello
>
> Can somebody tell me what the type nummer is of the original ALPS encoder
> from
> my HF-150.
>
> Thanks
> Wim (Holland)
>

313. Re: ALPS tuning encoder

Yahoo group: Lowe_Receivers
Date: 2010-09-20 18:45:36 UTC
From: frasercastle
Topic: 311 Message: 313

--- In Lowe_Receivers@yahoogroups.com, "willemvds" <swstation@...> wrote:
>
> Hello
>
> Can somebody tell me what the type nummer is of the original ALPS encoder from
> my HF-150.
>
> Thanks
> Wim (Holland)
>

Wim,

The 50cpr ALPS encoder would only be available as old stock as it has long been deleted from ALPS range. The lower (10 - 32) cpr units commonly available for modern microprocessor volume and mode controls are not a suitable alternative.

As some may know, the AOR AR7030 standard model was available with a 100cpr ALPS mechanical encoder as opposed to the better Bourns unit available of the enhanced versions. AOR kindly supplied me with these units for £10 each, delivered. They are identical in appearance and fit to the Lowe original part and are known to AOR as 'AR7030 Main tuning encoder UK Part No. S0001'. The 100cpr ALPS encoder performs very well in the HF-150.

Sadly AOR(UK) have just gone 'off the air'. Waters & Stanton (www.wsplc.com) now provided AR7030 support. It might be worth contacting them as Richard Hillier (Ex. AOR(UK)) is currently working there and may be able to assist.

Regards

Fraser

314. Re: [Lowe_Receivers] Re: ALPS tuning encoder

Yahoo group: Lowe_Receivers
Date: 2010-09-20 19:11:02 UTC
From: crabtreejr@aol.com
Topic: 311 Message: 314

Hello Fraser

FWIW, my understanding is that Richard Hillier completed the handover of
AOR matters to Waters & Stanton, and has moved onto new pastures.

73 John KC0G

In a message dated 9/20/2010 1:45:47 PM Central Daylight Time,
fraser.castle@... writes:
> --- In Lowe_Receivers@yahoogroups.com, "willemvds" <swstation@...> wrote:
> >
> > Hello
> >
> > Can somebody tell me what the type nummer is of the original ALPS
> encoder from
> > my HF-150.
> >
> > Thanks
> > Wim (Holland)
> >
>
> Wim,
>
> The 50cpr ALPS encoder would only be available as old stock as it has long
> been deleted from ALPS range. The lower (10 - 32) cpr units commonly
> available for modern microprocessor volume and mode controls are not a suitable
> alternative.
>
> As some may know, the AOR AR7030 standard model was available with a
> 100cpr ALPS mechanical encoder as opposed to the better Bourns unit available of
> the enhanced versions. AOR kindly supplied me with these units for £10
> each, delivered. They are identical in appearance and fit to the Lowe original
> part and are known to AOR as 'AR7030 Main tuning encoder UK Part No.
> S0001'. The 100cpr ALPS encoder performs very well in the HF-150.
>
> Sadly AOR(UK) have just gone 'off the air'. Waters & Stanton
> (www.wsplc.com) now provided AR7030 support. It might be worth contacting them as
> Richard Hillier (Ex. AOR(UK)) is currently working there and may be able to
> assist.
>
> Regards
>
> Fraser
>

315. Re: ALPS tuning encoder

Yahoo group: Lowe_Receivers
Date: 2010-09-20 20:26:28 UTC
From: frasercastle
Topic: 311 Message: 315

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
> Hello Fraser
>
> FWIW, my understanding is that Richard Hillier completed the handover of
> AOR matters to Waters & Stanton, and has moved onto new pastures.
>
> 73 John KC0G
>
> SNIP

Thanks John,

As ever, I am behind the times ;-)

W&S may supply the ALPS encoder but I am not sure what their spares policy is so anyone wanting an encoder will need to write a nice friendly email to them asking .... I suggest you not mention that it is for a Lowe receiver as stock is limited and they may reserve rare parts for AR7030 support only.

Fraser

316. Re: [Lowe_Receivers] ALPS tuning encoder

Yahoo group: Lowe_Receivers
Date: 2010-09-21 09:12:27 UTC
From: Frequency Precision Ltd
Topic: 311 Message: 316

The logic from an optical encoder should be similar to a mechanical
mouse, could a mouse output be connected in place of the alps encoder/
perhaps a laser mouse could be used
Would be interesting to change frequency by mouse movement.
Doug.

On 20/09/2010, crabtreejr@... <crabtreejr@...> wrote:
> Hello Wim
>
> I believe that the part number was LA226. They have not been made for
> "many" years.
>
> HTH and 73
>
> John KC0G
>
>
> In a message dated 9/17/2010 1:41:20 PM Central Daylight Time,
> swstation@... writes:
>> Hello
>>
>> Can somebody tell me what the type nummer is of the original ALPS encoder
>> from
>> my HF-150.
>>
>> Thanks
>> Wim (Holland)
>>
>

317. Lowe HF 225 outfit for sale

Yahoo group: Lowe_Receivers
Date: 2010-09-23 20:05:45 UTC
From: neil6536
Topic: 317 Message: 317

I offered my Lowe HF 225 Receiver outfit for sale - interest, but no takers, so I thought I might mention it again.

It's a well specified SWL set as follows -
1. Lowe HF 225 Receiver in beautiful cosmetic condition and perfect working order. There is one tiny dent on the back left of the casework
(which doesn't break the paint), otherwise this receiver is in absolutely lovely condition.

Also fitted is the B225 battery kit, but without the rechargeable
batteries.

Complete with
2. Lowe 240VAC-12VDC mains transformer
3. Lowe numeric Keypad
4. Lowe FM & AMS option fitted
5. Lowe Whip aerial and fitted preamp
6. RF Systems Magnetic Longwire balun

More or less ready to go. You would need a long wire and a hookup if you wanted to use the MLB. I'd like to sell as a complete outfit. You're welcome to come and give it the once over here in Loughborough. It's compact so it would be possible to ship it. I would like to get £250 for the complete kit.

neil dot mack at btinternet dot com

318. FYI. 225 E.

Yahoo group: Lowe_Receivers
Date: 2010-09-25 12:19:30 UTC
From: driftermick
Topic: 318 Message: 318

Just noted this morning, Universal has a 225E in
the used listing. these don't come up too often here
in the US. I would jump on it my self, but, I have
2 of them here. what I don't have in my collection
is the 150e. YMMV. I have no connection to Universal,
except being a vary long time happy customer.

Drifter...

319. Re: [Lowe_Receivers] FYI. 225 E.

Yahoo group: Lowe_Receivers
Date: 2010-09-25 14:41:12 UTC
From: a aa
Topic: 318 Message: 319

Thanks for the tip Drifter.

I called Universal, alas, no sync detection or power supply. They were unable to tell me whether the sync board was installed but not working, or not present at all. Also, there was some doubt concerning the whip amp board. Sans PS, keypad, AM sync and possibly missing the whip amp, this radio is a doubtful proposition IMHO.

On 25 September 2010 08:19, driftermick <driftermick@...> wrote:
> Just noted this morning, Universal has a 225E in
> the used listing. these don't come up too often here
> in the US. I would jump on it my self, but, I have
> 2 of them here. what I don't have in my collection
> is the 150e. YMMV. I have no connection to Universal,
> except being a vary long time happy customer.
>
> Drifter...
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

320. Re: FYI. 225 E.

Yahoo group: Lowe_Receivers
Date: 2010-09-25 19:09:54 UTC
From: driftermick
Topic: 318 Message: 320

Doubtful is the key word here. wow, with questions like this,
i'm sorry i recommended it. at the listed price, this should
go fast, and may be returned quick. most of those parts/ boards
are impossible to find. I have been looking for a D-125 board
for my 125 for a few years now. I know there is one out
there some where, it just hasn't found me as yet. good thing
Universal is so good about returns. Like most on this board,
I take excellent care of my receivers, but I'm a collector.
I have to remind myself, some people don't always treat
these radios with the care most of us do. got burned
a few times. got a few parts radios here. always seem to
come from ebay. so, I blame myself for not doing my home
work on a seller.

Drifter...

--- In Lowe_Receivers@yahoogroups.com, a aa <classwp@...> wrote:
>
> Thanks for the tip Drifter.
>
> I called Universal, alas, no sync detection or power supply. They were
> unable to tell me whether the sync board was installed but not
> working, or not present at all. Also, there was some doubt concerning
> the whip amp board. Sans PS, keypad, AM sync and possibly missing the
> whip amp, this radio is a doubtful proposition IMHO.
>
>
>
> On 25 September 2010 08:19, driftermick <driftermick@...> wrote:
> > Just noted this morning, Universal has a 225E in
> > the used listing. these don't come up too often here
> > in the US. I would jump on it my self, but, I have
> > 2 of them here. what I don't have in my collection
> > is the 150e. YMMV. I have no connection to Universal,
> > except being a vary long time happy customer.
> >
> > Drifter...
> >
> >
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> >

> >
> >
>

321. New Lowe HF-225 Owner

Yahoo group: Lowe_Receivers
Date: 2010-10-18 11:07:07 UTC
From: Richard
Topic: 321 Message: 321

Hello. I have recently acquired a HF-225 and have noticed that it suffers from hand capacity effects. The signal reduces when the case is touched. My Trio R-1000 and Yaesu FRG-8800 don't have this problem. Does anyone know anything about this issue?

322. Re: New Lowe HF-225 Owner

Yahoo group: Lowe_Receivers
Date: 2010-10-18 20:38:17 UTC
From: valleyjinker
Topic: 321 Message: 322

--- In Lowe_Receivers@yahoogroups.com, "Richard" <richardbyronsmith@...> wrote:
>
> Hello. I have recently acquired a HF-225 and have noticed that it suffers from hand capacity effects. The signal reduces when the case is touched. My Trio R-1000 and Yaesu FRG-8800 don't have this problem. Does anyone know anything about this issue?
>

Please describe the effect!

323. Re: New Lowe HF-225 Owner

Yahoo group: Lowe_Receivers
Date: 2010-10-18 20:56:28 UTC
From: valleyjinker
Topic: 321 Message: 323

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "Richard" <richardbyronsmith@> wrote:
> >
> > Hello. I have recently acquired a HF-225 and have noticed that it suffers from hand capacity effects. The signal reduces when the case is touched. My Trio R-1000 and Yaesu FRG-8800 don't have this problem. Does anyone know anything about this issue?
> >
>
> Please describe the effect!

Sorry, that has to be a clasic "I have not read the question" reply post!!!

Having read the question properly (several times) I can't think of an answer (so I would not have written this but for the apology) but it is true to say that the original Lowe PS12A power supply supplied with the set had its mains earth pin connected to the chassis of the radio via the negative DC power plug contact. That was unusual at the time (1990s), when most 'brick' power supplies didn't. It gave the radio set at least something for the usual 'long wire' to work against.

It makes a lot of difference in my experience whether the mains earth provided by the old PS12A is connected or not. Sometimes it is a good thing, sometimes not. Since the 1990s there have been a lot of 'RF attacks' to the good old mains earth.

What antenna system do you use?

324. HF-225 - Earth and desensitisation effect

Yahoo group: Lowe_Receivers
Date: 2010-10-19 09:41:43 UTC
From: Richard
Topic: 324 Message: 324

If you touch the case, the receiver slightly desensitises and the S meter reading also reduces.
I have now attached an earth to the receiver earth terminal from the copper pipe on the bedroom radiator which has stopped it.
I am using 50 ohm coax, Howes CTU-9 ATU and 15 feet long wire.

325. Re: [Lowe_Receivers] Digest Number 133

Yahoo group: Lowe_Receivers
Date: 2010-10-20 13:09:21 UTC
From: Dale Parfitt
Topic: 325 Message: 325

Lowe Receivers
)

If you touch the case, the receiver slightly desensitises and the S meter reading also reduces.
I have now attached an earth to the receiver earth terminal from the copper pipe on the bedroom radiator which has stopped it.
I am using 50 ohm coax, Howes CTU-9 ATU and 15 feet long wire.

If you don't have a ground on the shield of the coax (RF ground) at the antenna (and you should have an isolated step down transformer there too) then the coax is part of the antenna, and touching the case acts as a bit of a ground to reduce noise- not a good situation.

Dale W4OP

326. Bourns Optical Encoder Upgrade for the HF-150

Yahoo group: Lowe_Receivers
Date: 2010-10-30 16:44:27 UTC
From: g1drp
Topic: 326 Message: 326

Hi All,
I would very much like to replace the encoder on my HF-150 (December 1992).
I have searched the internet for this upgrade kit but I've drawn a blank.
I assume that this is no longer available?

Cheers,
Ian

327. The Vintage and Military Amateur Radio Society AM net recorded off my HF-150

Yahoo group: Lowe_Receivers
Date: 2010-10-30 17:00:14 UTC
From: g1drp
Topic: 327 Message: 327

Hi All,
This morning propagation was very poor on 80 Metres so I decided to use my HF-150, as opposed to my Eddystone S888A, for my VMARS AM net recording.
The net conists of stations using old military and amateur radio gear, running AM rather than SSB. Not only were the conditions well below par, but there was also a contest running.
My HF-150 really excelled here as I could use synchronous AM or synch. USB/LSB to avoid the QRM.
Here's a link to my recording:
http://www.storageserver.co.uk/files/1960/VMARS_30.10.10.mp3.html

You will see that I have also uploaded the audio from the two preceeding weeks as well.

Cheers,
Ian

328. Re: The Vintage and Military Amateur Radio Society AM net recorded off my HF-150

Yahoo group: Lowe_Receivers
Date: 2010-10-30 20:16:22 UTC
From: valleyjinker
Topic: 327 Message: 328

Thanks for that Ian, at least you caught my carrier this morning!

...and you've reminded me abt the AM gathering on 3.600 that the PA3 mentioned for this evening at 2100z which I make to be ten o'clock tonight...

--- In Lowe_Receivers@yahoogroups.com, "g1drp" <i.m.hand@...> wrote:
>
> Hi All,
> This morning propagation was very poor on 80 Metres so I decided to use my HF-150, as opposed to my Eddystone S888A, for my VMARS AM net recording.
> The net conists of stations using old military and amateur radio gear, running AM rather than SSB. Not only were the conditions well below par, but there was also a contest running.
> My HF-150 really excelled here as I could use synchronous AM or synch. USB/LSB to avoid the QRM.
> Here's a link to my recording:
http://www.storageserver.co.uk/files/1960/VMARS_30.10.10.mp3.html
>
> You will see that I have also uploaded the audio from the two preceeding weeks as well.
>
> Cheers,
> Ian
>

329. Re: Bourns Optical Encoder Upgrade for the HF-150

Yahoo group: Lowe_Receivers
Date: 2010-10-31 13:13:56 UTC
From: valleyjinker
Topic: 326 Message: 329

Hello Ian,

You are correct in your assumtion that the standard encoder is no longer realistically available.

If your desire to replace yours is because it doesn't work any more, you should use the search tool to look back through this forum. You'll find a wealth of info on that subject!

--- In Lowe_Receivers@yahoogroups.com, "g1drp" <i.m.hand@...> wrote:
>
> Hi All,
> I would very much like to replace the encoder on my HF-150 (December 1992).
> I have searched the internet for this upgrade kit but I've drawn a blank.
> I assume that this is no longer available?
>
> Cheers,
> Ian
>

330. Re: Bourns Optical Encoder Upgrade for the HF-150

Yahoo group: Lowe_Receivers
Date: 2010-10-31 15:02:42 UTC
From: g1drp
Topic: 326 Message: 330

Hi,
I have had a read through and it looks like a straightforward mod. Mine is working fine, I just thought it would be a nice modification.
Ian

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
> Hello Ian,
>
> You are correct in your assumtion that the standard encoder is no longer realistically available.
>
> If your desire to replace yours is because it doesn't work any more, you should use the search tool to look back through this forum. You'll find a wealth of info on that subject!
>
> --- In Lowe_Receivers@yahoogroups.com, "g1drp" <i.m.hand@> wrote:
> >
> > Hi All,
> > I would very much like to replace the encoder on my HF-150 (December 1992).
> > I have searched the internet for this upgrade kit but I've drawn a blank.
> > I assume that this is no longer available?
> >
> > Cheers,
> > Ian
> >
>

331. Re: The Vintage and Military Amateur Radio Society AM net recorded off my HF-150

Yahoo group: Lowe_Receivers
Date: 2010-10-31 15:03:40 UTC
From: g1drp
Topic: 327 Message: 331

Hi,
OK! What is your callsign?
Cheers,
Ian

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
> Thanks for that Ian, at least you caught my carrier this morning!
>
> ...and you've reminded me abt the AM gathering on 3.600 that the PA3 mentioned for this evening at 2100z which I make to be ten o'clock tonight...
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "g1drp" <i.m.hand@> wrote:
> >
> > Hi All,
> > This morning propagation was very poor on 80 Metres so I decided to use my HF-150, as opposed to my Eddystone S888A, for my VMARS AM net recording.
> > The net conists of stations using old military and amateur radio gear, running AM rather than SSB. Not only were the conditions well below par, but there was also a contest running.
> > My HF-150 really excelled here as I could use synchronous AM or synch. USB/LSB to avoid the QRM.
> > Here's a link to my recording:
http://www.storageserver.co.uk/files/1960/VMARS_30.10.10.mp3.html
> >
> > You will see that I have also uploaded the audio from the two preceeding weeks as well.
> >
> > Cheers,
> > Ian
> >
>

332. Re: Bourns Optical Encoder Upgrade for the HF-150

Yahoo group: Lowe_Receivers
Date: 2010-10-31 16:50:58 UTC
From: frasercastle
Topic: 326 Message: 332

--- In Lowe_Receivers@yahoogroups.com, "g1drp" wrote: > > Hi, > I have had a read through and it looks like a straightforward mod. Mine is working fine, I just thought it would be a nice modification. > Ian > > --- In Lowe_Receivers@yahoogroups.com, "valleyjinker" wrote: > > > > > > Hello Ian, > > > > You are correct in your assumtion that the standard encoder is no longer realistically available. > > > > If your desire to replace yours is because it doesn't work any more, you should use the search tool to look back through this forum. You'll find a wealth of info on that subject! > > > > --- In Lowe_Receivers@yahoogroups.com, "g1drp" wrote: > > > > > > Hi All, > > > I would very much like to replace the encoder on my HF-150 (December 1992). > > > I have searched the internet for this upgrade kit but I've drawn a blank. > > > I assume that this is no longer available? > > > > > > Cheers, > > > Ian > > > > > > Ian, The upgrade to the Bourns encoder was my instructions on how to install the same Bourns optical encoder that Lowe had fitted in the HF-150E varient. It is far superior part to the ALPS mechnaincal encoder but costs signifcantly more as well. There was never an encoder upgrade kit as such. I used to offer a repair and upgrade service for Lowe receivers and so upgraded a dozen or so Lowe receivers with Bourns optical encoders as a service to the Lowe community. It used to cost around £20 per unit + p&p. Regretably I no longer have the parts or available time for such an upgrade service. If you wish to do the upgrade yourself you will need to gather the parts together from component suppliers or ebay. The key component will be the encoder. There are many versions so you will need to understand what you want and buy accordingly. At retail prices the Bourns encloders are around £20 to £45 each. The felt pad may be made from a sheet of felt bought from a hobby shop such a Hobbycraft(UK). The Molex connector is available from all good parts suppliers or you can just solder directly to the encoder pins if you are careful with the heat. The Knob on your HF-150 may be modified to fit the Bourns encoder by opening up the hole to the required size. Not much material needs to be removed. I personally like the upgrade but there are many HF-150 owners who like the 'feel' of the HF-150 just as Lowe supplied it. Regards Fraser

333. Custom HF-225

Yahoo group: Lowe_Receivers
Date: 2010-11-05 08:00:42 UTC
From: drunkenstein30
Topic: 333 Message: 333

Hi.
I'm new owner of standard HF-225 and i'm started to modify this lovely receiver.
My mods:
D1-D11 --> BA482
D18-D28 --> BAW62
D31-D33 --> BA482
L30-L33, L35-L36 --> screened coils
CFU455G2 --> CFU455HT
CFJ455K14 --> CFJ455K13

I have Collins MF4 and MF6, maybe I try install them too, but not yet. Testing first with original filters. Then I need 'collins inside' label , lol.
I found that second mixer has different components than HF-250, is these wise to change?
Few resistors is changed to coils (hf-250).
Whip amp is missing, is original amp low noise? Maybe I try build that or even w-125 model.
Any other ideas to build amp?
Happy listening to all.

KT

334. Re: Custom HF-225

Yahoo group: Lowe_Receivers
Date: 2010-11-05 17:55:39 UTC
From: valleyjinker
Topic: 333 Message: 334

KT,

The HF225 was never meant to be a real top performer, but the standard design is acknowledged to be a particularly good one.
And it's beginning to qualify for true 'classic' status.

Before you rush into modifying your latest radio, and no doubt turning it into slightly better one, why not use it as it is for a while?

I am sorry if that sounds patronising, but I wish someone had said that to me in another life!

--- In Lowe_Receivers@yahoogroups.com, "drunkenstein30" <ktu@...> wrote:
>
> Hi.
> I'm new owner of standard HF-225 and i'm started to modify this lovely receiver.
> My mods:
> D1-D11 --> BA482
> D18-D28 --> BAW62
> D31-D33 --> BA482
> L30-L33, L35-L36 --> screened coils
> CFU455G2 --> CFU455HT
> CFJ455K14 --> CFJ455K13
>
> I have Collins MF4 and MF6, maybe I try install them too, but not yet. Testing first with original filters. Then I need 'collins inside' label , lol.
> I found that second mixer has different components than HF-250, is these wise to change?
> Few resistors is changed to coils (hf-250).
> Whip amp is missing, is original amp low noise? Maybe I try build that or even w-125 model.
> Any other ideas to build amp?
> Happy listening to all.
>
> KT
>

335. Re: Upgraded 225 still for sale

Yahoo group: Lowe_Receivers
Date: 2010-11-07 05:12:13 UTC
From: robbyk50
Topic: 310 Message: 335

Sorry folks, I am the new owner having sold my R75 and now own this instead. And it's a keeper!

336. surching a frontplate for the 150hf

Yahoo group: Lowe_Receivers
Date: 2010-11-10 11:36:49 UTC
From: pd2juz
Topic: 336 Message: 336

hello All!

i am new here, and get a tip about this group from another ham from holland.

i bought a hf 150,but the first owner made a hole(!!) in the fronplate.
this because the on-off switch was broken , so he put one in that didn''t fits.

i send a mail to LOWE, but they do not answer it.....

is there anyone here who can help me.

i am looking for a frontplate in a good condition and the original on -off switch

regards!!
John
pd2juz

337. Re: surching a frontplate for the 150hf

Yahoo group: Lowe_Receivers
Date: 2010-11-12 16:50:52 UTC
From: valleyjinker
Topic: 336 Message: 337

Try

workshop@...

They do have those parts.

--- In Lowe_Receivers@yahoogroups.com, "pd2juz" <pd2juz@...> wrote:
>
> hello All!
>
> i am new here, and get a tip about this group from another ham from holland.
>
> i bought a hf 150,but the first owner made a hole(!!) in the fronplate.
> this because the on-off switch was broken , so he put one in that didn''t fits.
>
> i send a mail to LOWE, but they do not answer it.....
>
> is there anyone here who can help me.
>
> i am looking for a frontplate in a good condition and the original on -off switch
>
> regards!!
> John
> pd2juz
>

338. Re: surching a frontplate for the 150hf

Yahoo group: Lowe_Receivers
Date: 2010-11-13 08:23:23 UTC
From: pd2juz
Topic: 336 Message: 338

Thank you!
i send tham a mail.
regards.
John

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
> Try
>
> workshop@...
>
> They do have those parts.
>
>
> --- In Lowe_Receivers@...m, "pd2juz" <pd2juz@> wrote:
> >
> > hello All!
> >
> > i am new here, and get a tip about this group from another ham from holland.
> >
> > i bought a hf 150,but the first owner made a hole(!!) in the fronplate.
> > this because the on-off switch was broken , so he put one in that didn''t fits.
> >
> > i send a mail to LOWE, but they do not answer it.................
> >
> > is there anyone here who can help me.
> >
> > i am looking for a frontplate in a good condition and the original on -off switch
> >
> > regards!!
> > John
> > pd2juz
> >
>

340. Re: surching a frontplate for the 150hf

Yahoo group: Lowe_Receivers
Date: 2010-11-16 15:44:02 UTC
From: pd2juz
Topic: 336 Message: 340

They do not answer my e-mail eighter.....
do they hav a website?
regards!
John

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
> Try
>
> workshop@...
>
> They do have those parts.
>
>
> --- In Lowe_Receivers@yahoogroups.com, "pd2juz" <pd2juz@> wrote:
> >
> > hello All!
> >
> > i am new here, and get a tip about this group from another ham from holland.
> >
> > i bought a hf 150,but the first owner made a hole(!!) in the fronplate.
> > this because the on-off switch was broken , so he put one in that didn''t fits.
> >
> > i send a mail to LOWE, but they do not answer it.....
> >
> > is there anyone here who can help me.
> >
> > i am looking for a frontplate in a good condition and the original on -off switch
> >
> > regards!!
> > John
> > pd2juz
> >
>

341. Re: surching a frontplate for the 150hf

Yahoo group: Lowe_Receivers
Date: 2010-11-16 19:16:42 UTC
From: valleyjinker
Topic: 336 Message: 341

Are you sure your e-mail account is OK?

--- In Lowe_Receivers@yahoogroups.com, "pd2juz" <pd2juz@...> wrote:
>
> They do not answer my e-mail eighter.....
> do they hav a website?
> regards!
> John
>
> --- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@> wrote:
> >
> >
> > Try
> >
> > workshop@
> >
> > They do have those parts.
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, "pd2juz" <pd2juz@> wrote:
> > >
> > > hello All!
> > >
> > > i am new here, and get a tip about this group from another ham from holland.
> > >
> > > i bought a hf 150,but the first owner made a hole(!!) in the fronplate.
> > > this because the on-off switch was broken , so he put one in that didn''t fits.
> > >
> > > i send a mail to LOWE, but they do not answer it.....
> > >
> > > is there anyone here who can help me.
> > >
> > > i am looking for a frontplate in a good condition and the original on -off switch
> > >
> > > regards!!
> > > John
> > > pd2juz
> > >
> >
>

342. Re: [Lowe_Receivers] Re: surching a frontplate for the 150hf

Yahoo group: Lowe_Receivers
Date: 2010-11-16 19:53:11 UTC
From: Gary Elesmore
Topic: 336 Message: 342

Hi John

I have a couple off HF-150 units coming for me to break for spares I am sure the front panel will be complete, when they arrive I will email you and we can sort out a price, should not be more than £10 pounds stirling.

Regards Gary M1AJV

73s

From: pd2juz <pd2juz@...>
To: Lowe_Receivers@yahoogroups.com
Sent: Tue, November 16, 2010 3:44:02 PM
Subject: [Lowe_Receivers] Re: surching a frontplate for the 150hf

They do not answer my e-mail eighter.....
do they hav a website?
regards!
John

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
> Try
>
> workshop@...
>
> They do have those parts.
>
>
> --- In Lowe_Receivers@yahoogroups.com, "pd2juz" <pd2juz@> wrote:
> >
> > hello All!
> >
> > i am new here, and get a tip about this group from another ham from holland.
> >
> > i bought a hf 150,but the first owner made a hole(!!) in the fronplate.
> > this because the on-off switch was broken , so he put one in that didn''t
>fits.
> >
> > i send a mail to LOWE, but they do not answer it.....
> >
> > is there anyone here who can help me.
> >
> > i am looking for a frontplate in a good condition and the original on -off

>switch
> >
> > regards!!
> > John
> > pd2juz
> >
>

343. Re: surching a frontplate for the 150hf

Yahoo group: Lowe_Receivers
Date: 2010-11-17 04:06:35 UTC
From: pd2juz
Topic: 336 Message: 343

THANK YOU!!
i will be waitning for the mail.
73 ! Pd2juz John

--- In Lowe_Receivers@yahoogroups.com, Gary Elesmore <enovacoms@...> wrote:
>
> Hi John
>
> I have a couple off HF-150 units coming for me to break for spares I am sure the
> front panel will be complete, when they arrive I will email you and we can sort
> out a price, should not be more than Â£10 pounds stirling.
>
> Regards Gary M1AJV
>
> 73s
>
>
>
>
> _____
> From: pd2juz <pd2juz@...>
> To: Lowe_Receivers@yahoogroups.com
> Sent: Tue, November 16, 2010 3:44:02 PM
> Subject: [Lowe_Receivers] Re: surching a frontplate for the 150hf
>
> Â
> They do not answer my e-mail eighter.....
> do they hav a website?
> regards!
> John
>
> --- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@> wrote:
> >
> >
> > Try
> >
> > workshop@
> >
> > They do have those parts.
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, "pd2juz" <pd2juz@> wrote:
> > >
> > > hello All!
> > >

> > > i am new here, and get a tip about this group from another ham from holland.
> > >
> > > i bought a hf 150,but the first owner made a hole(!!) in the fronplate.
> > > this because the on-off switch was broken , so he put one in that didn''t
> >fits.
> > >
> > > i send a mail to LOWE, but they do not answer it.....
> > >
> > > is there anyone here who can help me.
> > >
> > > i am looking for a frontplate in a good condition and the original on -off
> >switch
> > >
> > > regards!!
> > > John
> > > pd2juz
> > >
> >
>

344. Re: surching a frontplate for the 150hf

Yahoo group: Lowe_Receivers
Date: 2010-11-17 04:08:18 UTC
From: pd2juz
Topic: 336 Message: 344

Yes, i checked it.....
i thought maybe they will be closed on monday.
now it''s wednesday, and still no mail.
Thanks!
regards. John

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
> Are you sure your e-mail account is OK?
>
>
> --- In Lowe_Receivers@yahoogroups.com, "pd2juz" <pd2juz@> wrote:
> >
> > They do not answer my e-mail eighter.....
> > do they hav a website?
> > regards!
> > John
> >
> > --- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@> wrote:
> > >
> > >
> > > Try
> > >
> > > workshop@
> > >
> > > They do have those parts.
> > >
> > >
> > > --- In Lowe_Receivers@yahoogroups.com, "pd2juz" <pd2juz@> wrote:
> > > >
> > > > hello All!
> > > >
> > > > i am new here, and get a tip about this group from another ham from holland.
> > > >
> > > > i bought a hf 150,but the first owner made a hole(!!) in the fronplate.
> > > > this because the on-off switch was broken , so he put one in that didn''t fits.
> > > >
> > > > i send a mail to LOWE, but they do not answer it.....
> > > >
> > > > is there anyone here who can help me.
> > > >
> > > > i am looking for a frontplate in a good condition and the original on -off switch
> > > >
> > > > regards!!

> > > > John
> > > > pd2juz
> > > >
> > >
> >
>

345. HF-150 Encoder grease

Yahoo group: Lowe_Receivers
Date: 2010-11-20 17:45:19 UTC
From: g1drp
Topic: 345 Message: 345

Hi All,
I have read comments regarding the special grease used on encoder shafts. I beleive it is something similar to "Kilopoise" which is used on binoculars. It is a very viscous and sticky grease.
We have a tin of it at work but it is very old. I have some later Japanese grease, supplied ny Nikon, but they just sent me some in a 35mm film cannister. It's red and I beleive it would be suitable for use on an encoder.
I work on SLR lenses and binoculars for a living. This grease is used on all moving parts on binoculars to allow for smooth focusing and adjustment of the bridge.
If somebody would like to try some, I'll send them a blob FOC.

Cheers,
Ian G1DRP

346. Bought my second HF-150 Today!

Yahoo group: Lowe_Receivers
Date: 2010-11-20 17:56:52 UTC
From: g1drp
Topic: 346 Message: 346

Having fitted a narrower IF filter to my existing HF-150 (CFW455IT as opposed to CFW455HT), I have noticed it's a bit too narrow for decent fidelity on AM envelope detection. I could have re-fitted the original filter I know, but I find the mod useful when working AM on 80 Metres.
I managed to score an HF-150 in its original box with an unfitted backlight kit and faulty keypad for just less than £150.

If somebody could use the RS232 control cable and software floppy discs, I have them and will give them away FOC as they are of no use to me. I haven't even got a disk drive to check the disks, but I assume that they are OK.
Cheers,
Ian G1DRP

347. Re: [Lowe_Receivers] Bought my second HF-150 Today!

Yahoo group: Lowe_Receivers
Date: 2010-11-20 20:30:14 UTC
From: Frequency Precision Ltd
Topic: 346 Message: 347

will this plug directly into my HF-150 does this require/include a keypad?
I Could find a computer with floppy drive to work with DOS rs232.
I used to be in the crystal filter design so understand the problems.
Doug 01837810590

On 20/11/2010, g1drp <i.m.hand@...> wrote:
> Having fitted a narrower IF filter to my existing HF-150 (CFW455IT as
> opposed to CFW455HT), I have noticed it's a bit too narrow for decent
> fidelity on AM envelope detection. I could have re-fitted the original
> filter I know, but I find the mod useful when working AM on 80 Metres.
> I managed to score an HF-150 in its original box with an unfitted backlight
> kit and faulty keypad for just less than £150.
>
> If somebody could use the RS232 control cable and software floppy discs, I
> have them and will give them away FOC as they are of no use to me. I haven't
> even got a disk drive to check the disks, but I assume that they are OK.
> Cheers,
> Ian G1DRP
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

348. Re: Bought my second HF-150 Today!

Yahoo group: Lowe_Receivers
Date: 2010-11-21 11:24:19 UTC
From: frasercastle
Topic: 346 Message: 348

--- In Lowe_Receivers@yahoogroups.com, Frequency Precision Ltd <dougfgd@...> wrote:
>
> will this plug directly into my HF-150 does this require/include a keypad?
> I Could find a computer with floppy drive to work with DOS rs232.
> I used to be in the crystal filter design so understand the problems.
> Doug 01837810590
>

Doug,

IF232 plugs in to keypad port and does not need the keypad to be present.
IF232 can be used in parallel with keypad, if dsrired, by using a stereo 3.5mm 'Y' splitter.

Please check this groups files area for details of available software. The OEM Lowe IF150 DOS software is also to be found there.

Fraser

349. Re: Bought my second HF-150 Today!

Yahoo group: Lowe_Receivers
Date: 2010-11-21 15:09:59 UTC
From: frasercastle
Topic: 346 Message: 349

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, Frequency Precision Ltd <dougfgd@> wrote:
> >
> > will this plug directly into my HF-150 does this require/include a keypad?
> > I Could find a computer with floppy drive to work with DOS rs232.
> > I used to be in the crystal filter design so understand the problems.
> > Doug 01837810590
> >
>
> Doug,
>
> IF232 plugs in to keypad port and does not need the keypad to be present.
> IF232 can be used in parallel with keypad, if dsrired, by using a stereo 3.5mm 'Y' splitter.
>
> Please check this groups files area for details of available software. The OEM Lowe IF150 DOS software is also to be found there.
>
> Fraser
>

Correction to last... IF232 should read IF150.

Fraser

350. HF-225 Battery pack.

Yahoo group: Lowe_Receivers
Date: 2010-11-27 19:08:19 UTC
From: g1drp
Topic: 350 Message: 350

I now have an HF-225 and I was wondering what the battery pack looks like?
Mine has the synchronous AM detector and whip amplifier options fitted. An excellent receiver!
Cheers,
Ian

351. Re: [Lowe_Receivers] HF-225 Battery pack.

Yahoo group: Lowe_Receivers
Date: 2010-11-27 19:18:48 UTC
From: Tracey Gardner
Topic: 350 Message: 351

You'll find a picture of it in the Photos area of the list

Photo Albums > HF-225 Option PCB's B-225

73s Tracey

----- Original Message -----
From: "g1drp" <i.m.hand@...>
To: <Lowe_Receivers@yahoogroups.com>
Sent: Saturday, November 27, 2010 7:08 PM
Subject: [Lowe_Receivers] HF-225 Battery pack.

>I now have an HF-225 and I was wondering what the battery pack looks like?
> Mine has the synchronous AM detector and whip amplifier options fitted. An
> excellent receiver!
> Cheers,
> Ian
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1170 / Virus Database: 426/3282 - Release Date: 11/26/10
>

352. Re: HF-225 Battery pack.

Yahoo group: Lowe_Receivers
Date: 2010-11-27 21:11:55 UTC
From: g1drp
Topic: 350 Message: 352

Thanks Tracey.
73,
Ian G1dRP

--- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <tracey.gardner@...> wrote:
>
> You'll find a picture of it in the Photos area of the list
>
> Photo Albums > HF-225 Option PCB's B-225
>
> 73s Tracey
>
> ----- Original Message -----
> From: "g1drp" <i.m.hand@...>
> To: <Lowe_Receivers@yahoogroups.com>
> Sent: Saturday, November 27, 2010 7:08 PM
> Subject: [Lowe_Receivers] HF-225 Battery pack.
>
>
> >I now have an HF-225 and I was wondering what the battery pack looks like?
> > Mine has the synchronous AM detector and whip amplifier options fitted. An
> > excellent receiver!
> > Cheers,
> > Ian
> >
> >
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> >
> >
> >
> >
> > -----
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1170 / Virus Database: 426/3282 - Release Date: 11/26/10
> >
>

353. new photos

Yahoo group: Lowe_Receivers
Date: 2010-12-15 19:24:04 UTC
From: biscegliem
Topic: 353 Message: 353

Dear friends, I posted a new photo album whit my backlight modified HF150. You can see also the homemade unit whit the power supply and the s-meter connected to the radio. Soon I will post also some photos of the internal of the unit, it is assembled whit "dead bug" method.
Ciao and 73s
Marco

354. Re: new photos

Yahoo group: Lowe_Receivers
Date: 2010-12-16 09:43:25 UTC
From: donal.leader
Topic: 353 Message: 354

Have you posted your method and modifications for the backlighting anywhere on the web? It is a very interesting project. Well done!

355. Re: new photos

Yahoo group: Lowe_Receivers
Date: 2010-12-16 14:24:54 UTC
From: marco bisceglie
Topic: 353 Message: 355

Hi donal.leader , thanks for your message, actually I havn't a website to post the details of my work, but I follow the suggestions posted here
http://www.radiobanter.com/showthread.php?t=103001

the work is not easy, but whit time and carefully I obtained the good result. About the s meter I assembled the meter of the following link
http://www.mds975.co.uk/Content/lowe4.html

it works fine, I don't modify the vu meter scale, but whit the help of my calibrated frequency generator I write a corrispondance table. In the next days I will post in the album a series of photos whit the step by step mod, from beginning to end. I think it will be an aid for more lowe users. Naturally it requires a bit of experience, good hands and no beer or wine drinking during the work :-))), expecially when you are removing the adhesive screen from the display. Ciao
Marco - Italy

356. HF150/225 RS232 IF-150 Interface

Yahoo group: Lowe_Receivers
Date: 2010-12-22 12:42:49 UTC
From: Paul Jinks
Topic: 356 Message: 356

Hi Guys
I just joined the group. I am trying to get hold of the IF-150 RS232 interface to control my HF150. Mine has just given up the ghost. (Might be repairable). I know the circuit is available on the web but it will be a pain to make my own. Anyone have one or know where to get one?

Paul

357. HF I-150 RS232 Interface

Yahoo group: Lowe_Receivers
Date: 2010-12-22 13:53:15 UTC
From: Paul Jinks
Topic: 357 Message: 357

Guys
I've bitten the bullet and repaired this. Turned out to simple after all it was a broken earth braid inside the cable. Thanks for interest
-PAUL

358. Re: [Lowe_Receivers] HF150/225 RS232 IF-150 Interface

Yahoo group: Lowe_Receivers
Date: 2010-12-24 14:08:07 UTC
From: Gary
Topic: 356 Message: 358

Hi Paul

If you want to send it to me I can repair it for you.

The cost would be £20 + p.p

Let me know and I can give you me contact details.

Gary (M1AJV)

Sent from my iPod

On 22 Dec 2010, at 12:42, "Paul Jinks" <pauljinks@...> wrote:

Hi Guys
I just joined the group. I am trying to get hold of the IF-150 RS232 interface to control my HF150. Mine has just given up the ghost. (Might be repairable). I know the circuit is available on the web but it will be a pain to make my own. Anyone have one or know where to get one?

Paul

359. Christmas 2010

Yahoo group: Lowe_Receivers
Date: 2010-12-25 00:32:18 UTC
From: frasercastle
Topic: 359 Message: 359

Merry Christmas to my fellow Group Members

I hope you all have an enjoyable and peaceful Christmas.

Best Wishes

Fraser

360. WRTH Schedules now integrated into SWLog!

Yahoo group: Lowe_Receivers
Date: 2010-12-25 15:43:01 UTC
From: sillett
Topic: 360 Message: 360

Merry Christmas from Shortwave Log!

It is with great pleasure to announce that the 2011 international and selected target/clandestine schedules from WRTH (World Radio TV Handbook) are now available in Shortwave Log. This is indeed quite the Christmas present!

The WRTH Schedules seamlessly integrate into Shortwave Log and can be directly used to identify stations, to tune the bands, or to browse the data grids.

In addition to logging, the Radio Control Server program controls over 40 receivers from 11 manufacturers such as Ten-Tec, Icom, Drake, AOR, Lowe, Yaesu, and Winradio. I have support for the Lowe HF-150, HF-235, HF-250, and HF-250E in the program. Every receiver can also be configured to stream live on the Internet.

Shortwave Log is soon to celebrate its 20th year! Having started in 1991, the program has expanded over the years into a suite of programs for logging (shortwave and amateur), radio control, recording, QSL management, and enabling receivers to be published online.

Shortwave Log can be downloaded from www.shortwavelog.com

73s and good DXing!

Bob, N3OEA

361. Re: Christmas 2010

Yahoo group: Lowe_Receivers
Date: 2010-12-26 10:52:33 UTC
From: driftermick
Topic: 359 Message: 361

Fraser. Best of the holidays to you and the family.

just got in this am. as usual, working way too much

here. and, still trying to retire. hope you and the

group have been well. on the road, and most places I

need to be, don't have web connections. so, I always

fall behind in everything. taking time off till after

the new year. and, chasing after a clean R7A, Drake

for my collection. wish me luck. how's the snow in

you area over there? a close friend, in Wales, sent

me a few pictures of her husband clearing their drive-

way. so, keep warm my friend.

Drifter...

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
> Merry Christmas to my fellow Group Members
>
> I hope you all have an enjoyable and peaceful Christmas.
>
> Best Wishes
>
> Fraser
>

362. HF150 LCD display code

Yahoo group: Lowe_Receivers
Date: 2010-12-26 19:16:57 UTC
From: biscegliem
Topic: 362 Message: 362

Hi Friends, anyone knows the code or the manufacturer of the LCD of the HF 150? I tried searching on the internet but it seems an unknown code. Thank you and Merry Christmas, Marco

363. Re: [Lowe_Receivers] HF150 LCD display code

Yahoo group: Lowe_Receivers
Date: 2010-12-26 19:33:42 UTC
From: crabtreejr@aol.com
Topic: 362 Message: 363

What code did you try, and where did it come from?

In a message dated 12/26/2010 1:21:37 PM Central Standard Time,
marcobisceglie@... writes:
> Hi Friends, anyone knows the code or the manufacturer of the LCD of the
> HF 150? I tried searching on the internet but it seems an unknown code.
> Thank you and Merry Christmas, Marco
>

364. Re: [Lowe_Receivers] HF150 LCD display code

Yahoo group: Lowe_Receivers
Date: 2010-12-26 20:01:45 UTC
From: marco bisceglie
Topic: 362 Message: 364

Hi, I haven't a code, I tried searching for "LOWE HF150 components Data" "LOWE HF150 LCD display manufacturer" and also for "LCD glass display" the only similar item is on this page

http://www.futurlec.com/LCDDisp.shtml

but I think that it will be possible to find a substitution display having the correct code. Unfortunately on the service manual there is only "6 digit x 12,5mm LCD part no 021-1260"

365. Re: HF150 LCD display code

Yahoo group: Lowe_Receivers
Date: 2010-12-26 21:26:43 UTC
From: frasercastle
Topic: 362 Message: 365

--- In Lowe_Receivers@yahoogroups.com, "marco bisceglie" <marcobisceglie@...> wrote:
>
> Hi, I haven't a code, I tried searching for "LOWE HF150 components Data" "LOWE HF150 LCD display manufacturer" and also for "LCD glass display" the only similar item is on this page
>
> http://www.futurlec.com/LCDDisp.shtml
>
> but I think that it will be possible to find a substitution display having the correct code. Unfortunately on the service manual there is only "6 digit x 12,5mm LCD part no 021-1260"
>

I have inventory of that Lowe OEM display as 'new old stock'. If you are interested PM me and we can discuss.

Fraser

366. Re: Christmas 2010

Yahoo group: Lowe_Receivers
Date: 2010-12-27 13:00:23 UTC
From: frasercastle
Topic: 359 Message: 366

--- In Lowe_Receivers@yahoogroups.com, "driftermick" <driftermick@...> wrote:
>
>
>
> Fraser. Best of the holidays to you and the family.
>
> just got in this am. as usual, working way too much
>
> here. and, still trying to retire. hope you and the
>
> group have been well. on the road, and most places I
>
> need to be, don't have web connections. so, I always
>
> fall behind in everything. taking time off till after
>
> the new year. and, chasing after a clean R7A, Drake
>
> for my collection. wish me luck. how's the snow in
>
> you area over there? a close friend, in Wales, sent
>
> me a few pictures of her husband clearing their drive-
>
> way. so, keep warm my friend.
>
> Drifter...
>
> --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
> >
> > Merry Christmas to my fellow Group Members
> >
> > I hope you all have an enjoyable and peaceful Christmas.
> >
> > Best Wishes
> >
> > Fraser
> >
>

Hi Drifter,

Many thanks for your kind thoughts for us in the UK.

It looks like the East coast of the USA are in for a snowy and cold time as well.

Like you, I am only able to pop by this group occasionally as other work tends to take priority. I will still help anyone who asks for assistance with their Lowe, it just takes a little longer to respond ;-)

Best Wishes

Fraser

367. Lowe Receiver Spare parts and Repairs.

Yahoo group: Lowe_Receivers
Date: 2010-12-27 13:38:33 UTC
From: frasercastle
Topic: 367 Message: 367

I have added some information to the Groups front page description detailing spares availability. I will provide some detail here for those who need parts now, or in the future.

The Lowe receivers have been out of production for over 10 years now but due to the kind efforts of Tony at the Lowe workshop, many major spares are still available via the Lowe 'heritage' and second hand page that may be found here:

http://www.lowe.co.uk/retail_secondhand.htm

Tony has stock of many components but as you will appreciate he has higher priority work these days and supports our little Lowe Receiver Owners community as a favour to us. For this reason it would not be fair to expect Tony to supply common components like diodes, transistors or screws, it just isn't worth Lowe's time to deal with such items. Please consider this before sking for his help and be patient whilst he searches for a particular part in the component archives.

Tony is a very friendly chap who will respond to a request for a particular part that is not listed on the 'heritage' page. Some items are no longer available from Lowe but may be purchased from other sources.

Lowe have kindly agreed to ship parts overseas, including to the USA. You will need to provide Tony with Credit Card details for payment.

As a keen supporter of the Lowe range of communications receivers, I took advantage of the release of all the Lowe HF-150 spares that SMC held to build and support these receivers. My electronic spares holding for the HF-150 is significant and many components are also to be found in the other Lowe Receivers so I may be able to assist with the Lowe HF-125, HF-225, HF235 and HF-250 as well as the HF-150.

I used to offer a free repair and refurbishment service for Lowe receivers and charged only for parts and materials used. I am a professional electronics and mechanical engineer and supported the Lowe receivers as a hobby rather than a business. I suspended that service some time ago due to other higher priority commitments that just didn't give me the free time required. I am willing to review that situation in 2011 and will respond to requests for repairs on a case by case basis. I would base any charges on the nature of the fault and what I consider a reasonable cost to the owner. This is fairer (cheaper) than on a time basis as my current commercial hourly rate would make many Lowe receiver repairs uneconomic. Any repairs will be on a non commercial 'hobbyist' basis and no warranties are offered or inferred. Just PM me and I will see if I can assist. Please be aware that international shipping can get expensive for items that weigh over 2Kg.

In the past I have also offered 'remote diagnostic' services with the owner taking measurements and reporting readings. This type of diagnostic process can be very difficult for all parties involved and is really only suitable for minor faults. In cases where an owner wishes to carry out the repair themselves, it is best that they present the fault symptoms to this Group so that the membership can offer views on the possible causes,

diagnostic steps etc.

Hope this information is of some use to members of this Group.

Best Wishes

Fraser Castle
Group Owner
Milton Keynes
United Kingdom

368. Re: HF150 LCD display code

Yahoo group: Lowe_Receivers
Date: 2010-12-27 13:47:40 UTC
From: pete.milnes@btinternet.com
Topic: 362 Message: 368

Hi Marco

> Hi Friends, anyone knows the code or the manufacturer of the LCD of the HF 150? I tried searching on the internet but it seems an unknown code.

I am sure that the LCD is a standard off-the-shelf unit. Have a look at the following:
http://www.digikey.com part 153-1011-ND, or 153-1010-ND.
http://rswww.com 127-3271, or 185-0193

Varitronix is the name that keeps occuring as the manufacturer. The display is/was part of their VI-602 series.
http://www.varitronix.uk.com/

Note, I've not tested any of the above, but they all fit the requirements of, 6 digit x 12.7mm, display width 30.5mm, decimal points (not colons).

Pete

369. HF-150 For Sale

Yahoo group: Lowe_Receivers
Date: 2010-12-28 19:14:43 UTC
From: g1drp
Topic: 369 Message: 369

I have a 90% mint HF-150 with the original box, PSU, manual and sales receipt dated 1996.
It's 100% functional and needs a new home.
I can take some photos tomorrow.
Asking £165 shipped (UK only). Payment by Paypal + fees or Bank Transfer.
Cheers,
Ian G1DRP

370. HAMCOMM Interface ANyone know the port settings?

Yahoo group: Lowe_Receivers
Date: 2010-12-30 11:43:06 UTC
From: Paul Jinks
Topic: 356 Message: 370

Hi Guys
Since I am now retired I am finding the time to write control software for my HF150.
It would be a challenge and fun, to write decoding software for RTTY, Weather FAX etc.. I have given up trying to find out how to read from the sound card port (unless anyone out there knows how?) and so I have now turned to my old HAMCOMM interface on an RS232 port.

Can anyone remember the RS232 port settings for this? For example I have tried 1200,4800, and 9600 Baud, No parity, 1 Stop bit no flow control etc. but cannot get a valid response with Hyperterm. I have an in-line RS232 tester that is reporting there is some kind of data transfer occurring so I am almost there.

-PAUL

'_._'

371. Re: HAMCOMM Interface ANyone know the port settings?

Yahoo group: Lowe_Receivers
Date: 2010-12-30 12:27:40 UTC
From: frasercastle
Topic: 356 Message: 371

--- In Lowe_Receivers@yahoogroups.com, Paul Jinks <pauljinks@...> wrote:
>
> Hi Guys
> Since I am now retired I am finding the time to write control software
> for my HF150.
> It would be a challenge and fun, to write decoding software for RTTY,
> Weather FAX etc.. I have given up trying to find out how to read from
> the sound card port (unless anyone out there knows how?) and so I have
> now turned to my old HAMCOMM interface on an RS232 port.
>
> Can anyone remember the RS232 port settings for this? For example I have
> tried 1200,4800, and 9600 Baud, No parity, 1 Stop bit no flow control
> etc. but cannot get a valid response with Hyperterm. I have an in-line
> RS232 tester that is reporting there is some kind of data transfer
> occurring so I am almost there.
>
> -PAUL
>
>
> ,_._,
>

Paul,

I may be wrong regarding your particular Hamcom interface, but the ones I have used have all been based on a simple op-amp circuit that converts a sine wave input to a square wave that the computer can read. The circuit is not in any way 'intelligent' and does not 'talk' RS232 protocol. I believe pin 6 is used for the input to the computer and this is read by the Hamcom software. Baud rate does not come into the equation as this is toggling a control line rather than a data line.

All the decoding and speed control is done in the Hamcom software as it reads the square wave coming into the RS232 port control line.

This page may be of interest:

http://www.vu2fd.com/projects/images/hc/hamcom.pdf

Fraser

372. Re: [Lowe_Receivers] Re: HAMCOMM Interface ANyone know the port settings?

Yahoo group: Lowe_Receivers
Date: 2010-12-30 12:45:44 UTC
From: Paul Jinks
Topic: 356 Message: 372

Thanks Fraser
That would explain it and makes senses of some of the stuff I have found
on the web
-PAUL

373. Question about panel LEDs in the HF-225

Yahoo group: Lowe_Receivers
Date: 2010-12-31 07:44:39 UTC
From: J FLETCHER
Topic: 356 Message: 373

Hi all,

The panel lighting on my HF-225 (frequency display, panel meter) is quite dim and I want to change the green LEDs for brighter white ones. I see from the circuit diagram that the LEDs are fed from a voltage regulator built from a transistor and zener diode. I think this is to give constant brightness whether the set is powered from 12v, 13.8v or an internal battery pack.

If you have done this mod, did you find it necessary to change any other components? Perhaps reduce the voltage of the zener dode?

Thanks in anticipation,

John

--- On Thu, 30/12/10, Paul Jinks <pauljinks@hotmail.com> wrote:

From: Paul Jinks <pauljinks@...>
Subject: Re: [Lowe_Receivers] Re: HAMCOMM Interface ANyone know the port settings?
To: Lowe_Receivers@yahoogroups.com
Date: Thursday, 30 December, 2010, 12:45

Thanks Fraser

That would explain it and makes senses of some of the stuff I have found

on the web

-PAUL

374. Re: Question about panel LEDs in the HF-225

Yahoo group: Lowe_Receivers
Date: 2011-01-01 11:26:00 UTC
From: g1drp
Topic: 356 Message: 374

Mine's pretty dim too and I have considered doing the same thing.
73,
Ian G1DRP

--- In Lowe_Receivers@yahoogroups.com, J FLETCHER <jfletcher427@...> wrote:
>
> Hi all,
>
> The panel lighting on my HF-225 (frequency display, panel meter) is quite dim and I want to change the green LEDs for brighter white ones. I see from the circuit diagram that the LEDs are fed from a voltage regulator built from a transistor and zener diode. I think this is to give constant brightness whether the set is powered from 12v, 13.8v or an internal battery pack.
>
> If you have done this mod, did you find it necessary to change any other components? Perhaps reduce the voltage of the zener dode?
>
> Thanks in anticipation,
>
> John
>
> --- On Thu, 30/12/10, Paul Jinks <pauljinks@...> wrote:
>
> From: Paul Jinks <pauljinks@...>
> Subject: Re: [Lowe_Receivers] Re: HAMCOMM Interface ANyone know the port settings?
> To: Lowe_Receivers@yahoogroups.com
> Date: Thursday, 30 December, 2010, 12:45
>
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>
> Thanks Fraser

>
> That would explain it and makes senses of some of the stuff I have found
>
> on the web
>
> -PAUL
>

375. Re: [Lowe_Receivers] Re: Question about panel LEDs in the HF-225

Yahoo group: Lowe_Receivers
Date: 2011-01-01 12:11:03 UTC
From: J FLETCHER
Topic: 356 Message: 375

Thanks for the reply, Ian. The two LEDs for the frequency display are 5mm diameter and point at the left- and right-hand ends of the LCD. I've bought a cheap white LED torch to canibalise for these. The one over the meter is 3mm diameter and quite close to the case lid. I don't think a 5mm LED will fit there. I haven't decided yet whether to connect the white LEDs to the same regulator circuit or make different arrangements to drive them. I'll let the group know when I make some progress. 73 and happy new year, John G4EDX --- On Sat, 1/1/11, g1drp wrote: From: g1drp Subject: [Lowe_Receivers] Re: Question about panel LEDs in the HF-225 To: Lowe_Receivers@yahoogroups.com Date: Saturday, 1 January, 2011, 11:26 Mine's pretty dim too and I have considered doing the same thing. 73, Ian G1DRP --- In Lowe_Receivers@yahoogroups.com, J FLETCHER wrote: > > Hi all, > > The panel lighting on my HF-225 (frequency display, panel meter) is quite dim and I want to change the green LEDs for brighter white ones. I see from the circuit diagram that the LEDs are fed from a voltage regulator built from a transistor and zener diode. I think this is to give constant brightness whether the set is powered from 12v, 13.8v or an internal battery pack. > > If you have done this mod, did you find it necessary to change any other components? Perhaps reduce the voltage of the zener dode? > > Thanks in anticipation, > > John > > --- On Thu, 30/12/10, Paul Jinks wrote: > > From: Paul Jinks > Subject: Re: [Lowe_Receivers] Re: HAMCOMM Interface ANyone know the port settings? > To: Lowe_Receivers@yahoogroups.com > Date: Thursday, 30 December, 2010, 12:45 > > > > > > > > > Â > > > > > > > > > > > Thanks Fraser > > That would explain it and makes senses of some of the stuff I have found > > on the web > > -PAUL >

376. Re: Question about panel LEDs in the HF-225

Yahoo group: Lowe_Receivers
Date: 2011-01-01 13:13:31 UTC
From: drunkenstein30
Topic: 356 Message: 376

>
> If you have done this mod, did you find it necessary to change any other components? Perhaps reduce the voltage of the zener dode?
>

Hi.
Nothing else, just new white power leds, works fine. In the middle of the screen is still a little darker area.

Regards, KT

377. Re: Question about panel LEDs in the HF-225

Yahoo group: Lowe_Receivers
Date: 2011-01-02 11:14:56 UTC
From: valleyjinker
Topic: 356 Message: 377

The LEDs operate between the the B+ line straight from the battery or psu, and the +5 volt line.

The advantage of this set-up is that instead of wasting all the energy lost by the main 5 volt linear regulator, some of its burden is tken away by the current 'draining' into the 5 volt line from the 'bottom' of the LED circuit.

To put it another way, the 5 volt regulator has to switch-on less hard, wasting less power, because some current from the LEDs is already putting energy into the 5 volt line.

This means the '225 design gets the power to drive the LEDs free!

But if you run too much current through the LEDs in that set-up by lowering the LED's series resistors, the 5 volt regulator won't! Because the LEDs are already pulling the line above 5 volts. That will cause all sorts of problems.

> In Lowe_Receivers@yahoogroups.com, J FLETCHER <jfletcher427@...> >
> The two LEDs for the frequency display are 5mm diameter and point at the left- and right-hand ends of the LCD. I've bought a cheap white LED torch to canibalise for these. The one over the meter is 3mm diameter and quite close to the case lid. I don't think a 5mm LED will fit there.
>
> I haven't decided yet whether to connect the white LEDs to the same regulator circuit or make different arrangements to drive them. I'll let the group know when I make some progress.
>
> 73 and happy new year,
>
> John G4EDX
>

378. Re: Question about panel LEDs in the HF-225

Yahoo group: Lowe_Receivers
Date: 2011-01-02 17:45:00 UTC
From: g1drp
Topic: 356 Message: 378

Very interesting. I'm going to leave mine alone. It's a pity they didn't stick with the display they used in the HF-125.
73,
Ian G1DRP

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
>
> The LEDs operate between the the B+ line straight from the battery or psu, and the +5 volt line.
>
> The advantage of this set-up is that instead of wasting all the energy lost by the main 5 volt linear regulator, some of its burden is tken away by the current 'draining' into the 5 volt line from the 'bottom' of the LED circuit.
>
> To put it another way, the 5 volt regulator has to switch-on less hard, wasting less power, because some current from the LEDs is already putting energy into the 5 volt line.
>
> This means the '225 design gets the power to drive the LEDs free!
>
> But if you run too much current through the LEDs in that set-up by lowering the LED's series resistors, the 5 volt regulator won't! Because the LEDs are already pulling the line above 5 volts. That will cause all sorts of problems.
>
>
> > In Lowe_Receivers@yahoogroups.com, J FLETCHER <jfletcher427@> >
> > The two LEDs for the frequency display are 5mm diameter and point at the left- and right-hand ends of the LCD. I've bought a cheap white LED torch to canibalise for these. The one over the meter is 3mm diameter and quite close to the case lid. I don't think a 5mm LED will fit there.
> >
> > I haven't decided yet whether to connect the white LEDs to the same regulator circuit or make different arrangements to drive them. I'll let the group know when I make some progress.
> >
> > 73 and happy new year,
> >
> > John G4EDX
> >
>

380. hf150 backlight lcd tutorial

Yahoo group: Lowe_Receivers
Date: 2011-01-09 15:38:55 UTC
From: biscegliem
Topic: 380 Message: 380

Hi, I have posted a PDF on the Files section whit a tutorial guide to apply a backlight. I hope it is sufficiently clear and understandable, if you have any questions I am available for clarification and explanations. Please excuse my English is very basic, but I believe that photographs are the best guide. Regards to all, Marco

381. Re: hf150 backlight lcd tutorial

Yahoo group: Lowe_Receivers
Date: 2011-01-09 16:01:28 UTC
From: frasercastle
Topic: 380 Message: 381

--- In Lowe_Receivers@yahoogroups.com, "biscegliem" <marcobisceglie@...> wrote:
>
> Hi, I have posted a PDF on the Files section whit a tutorial guide to apply a backlight. I hope it is sufficiently clear and understandable, if you have any questions I am available for clarification and explanations. Please excuse my English is very basic, but I believe that photographs are the best guide. Regards to all, Marco
>

Marco,

Thanks for producing the guide. A very nice job and great quality backlighting :-)

Fraser

382. Re: hf150 backlight lcd tutorial

Yahoo group: Lowe_Receivers
Date: 2011-01-09 16:42:12 UTC
From: marco bisceglie
Topic: 380 Message: 382

Hi Fraser,
thanks for the message, my work is inspired by reading this post by Dale Parfit,
http://www.radiobanter.com/showthread.php?t=103001

I read many times and then I realized my job. I think the most difficult and tedious is the removal of the reflective foil back of LCD, however I have found, thanks to suggestions from Pete, which the company DIGI-KEY sells a transparent display, with the same characteristics as the original display LOWE. The price is cheap, only the postage costs are expensive. I've bought and it works perfectly. The part number is 153-1010-ND. I hope this suggestion will be useful to those who want to change the display of the HF150 without the tedious job of removing the sticky reflective. Anyway thank you for all the documents you have made available on the group!
Best regards, Marco

383. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2011-01-10 08:16:45 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 383

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /modify the LCD of HF150 for backlight.pdf
Uploaded by : biscegliem <marcobisceglie@...>
Description :

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/modify%20the%20LCD%20of%20HF150%20for%20backlight.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

biscegliem <marcobisceglie@...>

384. Re: [Lowe_Receivers] Digest Number 157

Yahoo group: Lowe_Receivers
Date: 2011-01-10 15:56:20 UTC
From: Dale Parfitt
Topic: 384 Message: 384

Lowe Receivers
Thank you for the kind words Marco- and congratulations on a fine job!
On one of the very first displays I modified, I mistakenly removed the polarizing film layer! I ordered some sheets from Edmunds and all was well again.

73,
Dale W4OP

385. Re: hf150 backlight lcd tutorial

Yahoo group: Lowe_Receivers
Date: 2011-01-13 09:07:21 UTC
From: N.A.Janardan Rao
Topic: 380 Message: 385

I fitted a backlight to my 150 some months ago. I was able to peel off the "foil back of the LCD" ever so easily, all in one piece with only some moderate skill. It did not even need special cleaning, as the adhesive went with the foil. All you have to do after lifting a corner carefully is to peel back pulling along the plane and not away from it at any angle. I was blessed with an exact fitting backlight LED module with four greenish yellow LED's, from a defunct Fluke multimeter; I have wired them all in series and fed them from the raw Vcc via a 270 ohm resistor for 12.6V operation.

There is a ceramic cap in the way while mounting the lighted module; I just desoldered it and refitted it on the back side of the board.

I have also made up an S meter in my own way using a thin edgewise moving coil meter, and this sits glued on the top. This meter has illumination too, by five SMD LED's on a very thin pcb shining through the transparent bezel. This LED assembly came from a laptop battery!

Though not very complicated, these two modifications do add excellent user value to the 150. I may get down to it and make a keyboard next, but must use available parts and not by prescribed circuitry.

--- In Lowe_Receivers@yahoogroups.com, "marco bisceglie" <marcobisceglie@...> wrote:
>
> Hi Fraser,
> thanks for the message, my work is inspired by reading this post by Dale Parfit,
> http://www.radiobanter.com/showthread.php?t=103001
>
> I read many times and then I realized my job. I think the most difficult and tedious is the removal of the reflective foil back of LCD, however I have found, thanks to suggestions from Pete, which the company DIGI-KEY sells a transparent display, with the same characteristics as the original display LOWE. The price is cheap, only the postage costs are expensive. I've bought and it works perfectly. The part number is 153-1010-ND. I hope this suggestion will be useful to those who want to change the display of the HF150 without the tedious job of removing the sticky reflective. Anyway thank you for all the documents you have made available on the group!
> Best regards, Marco
>

386. HF-150 boot up

Yahoo group: Lowe_Receivers
Date: 2011-01-13 20:50:32 UTC
From: ianmotty
Topic: 386 Message: 386

Hi to all on the group and best wishes for 2011.
May be a small point but I have watched a couple of HF-150's on you-tube. When switched on the display says 'HF' then '150' then the radio starts receiving and displaying the frequency.
My 150 goes straight to receive and displayed frequency, I guess the ones on youtube are a later firmware?
Just interested really.

Regards
Ian MW0IAN

387. Re: [Lowe_Receivers] HF-150 boot up

Yahoo group: Lowe_Receivers
Date: 2011-01-16 03:48:23 UTC
From: Jim in Rock Village
Topic: 386 Message: 387

Ian,

I have one of the first HF150"s and my
remarks from a letter I wrote to John Wilson
at Lowe Electronics were later used in one of
their magazine ads and brochures so I can say
with authority that the Original HF150's went
to "-HF-" then "150" then to "tuned frequency"
UNLESS the batteries were low and the first screen
would display "LwPr".

Jim

----- Original Message -----
From: ianmotty<mailto:idmottishaw@...>
To: Lowe_Receivers@yahoogroups.com<mailto:Lowe_Receivers@yahoogroups.com>
Sent: Thursday, January 13, 2011 3:50 PM
Subject: [Lowe_Receivers] HF-150 boot up

Hi to all on the group and best wishes for 2011.
May be a small point but I have watched a couple of HF-150's on you-tube. When switched on the display says 'HF' then '150' then the radio starts receiving and displaying the frequency.
My 150 goes straight to receive and displayed frequency, I guess the ones on youtube are a later firmware?
Just interested really.

Regards
Ian MW0IAN

388. Re: HF-150 boot up

Yahoo group: Lowe_Receivers
Date: 2011-01-16 20:04:22 UTC
From: ianmotty
Topic: 386 Message: 388

Hi Jim,

Thanks for the reply to my post.Hmmm wonder why my radio skips the boot up display, works fine otherwise.

Ian.

--- In Lowe_Receivers@yahoogroups.com, "Jim in Rock Village" <rx340@...> wrote:
>
> Ian,
>
> I have one of the first HF150"s and my
> remarks from a letter I wrote to John Wilson
> at Lowe Electronics were later used in one of
> their magazine ads and brochures so I can say
> with authority that the Original HF150's went
> to "-HF-" then "150" then to "tuned frequency"
> UNLESS the batteries were low and the first screen
> would display "LwPr".
>
> Jim
>
>
> ----- Original Message -----
> From: ianmotty<mailto:idmottishaw@...>
> To: Lowe_Receivers@yahoogroups.com<mailto:Lowe_Receivers@yahoogroups.com>
> Sent: Thursday, January 13, 2011 3:50 PM
> Subject: [Lowe_Receivers] HF-150 boot up
>
>
>
> Hi to all on the group and best wishes for 2011.
> May be a small point but I have watched a couple of HF-150's on you-tube. When switched on the display says 'HF' then '150' then the radio starts receiving and displaying the frequency.
> My 150 goes straight to receive and displayed frequency, I guess the ones on youtube are a later firmware?
> Just interested really.
>
> Regards
> Ian MW0IAN
>

389. Re: [Lowe_Receivers] Re: HF-150 boot up

Yahoo group: Lowe_Receivers
Date: 2011-01-17 07:03:03 UTC
From: crabtreejr@aol.com
Topic: 386 Message: 389

Possibly there was not eough space for it in later firmware revisions?

73 John KC0G

In a message dated 1/16/2011 2:04:26 PM Central Standard Time,
idmottishaw@... writes:
> Hi Jim,
>
> Thanks for the reply to my post.Hmmm wonder why my radio skips the boot up
> display, works fine otherwise.
>
> Ian.
>
> --- In Lowe_Receivers@yahoogroups.com, "Jim in Rock Village" <rx340@...>
> wrote:
> >
> > Ian,
> >
> > I have one of the first HF150"s and my
> > remarks from a letter I wrote to John Wilson
> > at Lowe Electronics were later used in one of
> > their magazine ads and brochures so I can say
> > with authority that the Original HF150's went
> > to "-HF-" then "150" then to "tuned frequency"
> > UNLESS the batteries were low and the first screen
> > would display "LwPr".
> >
> > Jim
> >
> >
> > ----- Original Message -----
> > From: ianmotty<mailto:idmottishaw@...>
> > To: Lowe_Receivers@yahoogroups.com<mailto:Lowe_Receivers@yahoogroups.com>
>
> > Sent: Thursday, January 13, 2011 3:50 PM
> > Subject: [Lowe_Receivers] HF-150 boot up
> >
> >
> >
> > Hi to all on the group and best wishes for 2011.
> > May be a small point but I have watched a couple of HF-150's on
> you-tube. When switched on the display says 'HF' then '150' then the radio starts
> receiving and displaying the frequency.
> > My 150 goes straight to receive and displayed frequency, I guess the
> ones on youtube are a later firmware?

> > Just interested really.
> >
> > Regards
> > Ian MW0IAN
> >
>

390. HF-125/HF-150/HF-225 LCD displays

Yahoo group: Lowe_Receivers
Date: 2011-01-21 21:00:15 UTC
From: davelimmer@rocketmail.com
Topic: 390 Message: 390

Hi all,

I recently bought an HF-125 receiver in excellent condition apart from a little "bleeding" on the LCD display. I'd read the previous messages about replacements, and after a brief exchange of emails with Fraser (thanks again, btw!) I decided to go ahead and order a couple of the RS part no. 185-0193 (transreflective, dark elements on light background), which came to just over £20 delivered in the UK.

I'm happy to say they work perfectly - I also replaced the display on my HF-225 as I never really cared for the light on dark, and I'm really pleased with the results. I also took the opportunity to clean the plexiglass block at the back of the display - these have a white sticky tape backing which had shrunk and discoloured over the years. I peeled it off, cleaned the old glue off with acetone and cut two pieces of thin white plastic to fit behind the plexiglass. The backlight is now definitely more even, and a little brighter as well.

Anyway, I hope this helps. And by the way, I now have a spare HF-225 style display, if anyone happens to need one. Email me if you're interested and we'll work something out.

Regards,

Dave Limmer

391. IF-150 with a HF-225

Yahoo group: Lowe_Receivers
Date: 2011-02-04 17:45:07 UTC
From: willemvds
Topic: 391 Message: 391

Hi all

Can I use a IF-150 interfase with a Lowe HF-225?

Regards,

Willem

392. Re: IF-150 with a HF-225

Yahoo group: Lowe_Receivers
Date: 2011-02-04 18:10:44 UTC
From: frasercastle
Topic: 391 Message: 392

--- In Lowe_Receivers@yahoogroups.com, "willemvds" <swstation@...> wrote:
>
> Hi all
>
> Can I use a IF-150 interfase with a Lowe HF-225?
>
> Regards,
>
> Willem
>

Willen,

The IF-150 is incompatable with the HF-225 as the data block is too long for the HF-225 to process.

There is a relatively simple project to control the HF-224 though. Take a look here:

http://www.veg.nildram.co.uk/hf225.htm

Regards

Fraser

393. Re: IF-150 with a HF-225

Yahoo group: Lowe_Receivers
Date: 2011-02-04 19:00:23 UTC
From: willemvds
Topic: 391 Message: 393

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "willemvds" <swstation@> wrote:
> >
> > Hi all
> >
> > Can I use a IF-150 interfase with a Lowe HF-225?
> >
> > Regards,
> >
> > Willem
> >
>
>
> Willen,
>
> The IF-150 is incompatable with the HF-225 as the data block is too long for the HF-225 to process.
>
> There is a relatively simple project to control the HF-224 though. Take a look here:
>
> http://www.veg.nildram.co.uk/hf225.htm
>
> Regards
>
> Fraser
>

Hallo Fraser

Thanks for you replay and the link

Willem

394. HF 150 - Picking up stations only when switched to WHIP

Yahoo group: Lowe_Receivers
Date: 2011-02-09 21:31:18 UTC
From: timlad90120
Topic: 394 Message: 394

Hi

I recently acquired HF-150 and alls not as it should be.

On MW I can only receive stations when the antenna switch is positioned to WHIP. When positioned to NORM and ATTEN only static.
Changing the 'mode' setting has no effect.

SW range appears to be same as MW with the exception that stations can be faintly heard on the NORM and ATTEN settings.

I have checked the antenna socket and lead - all OK.

Reading through the other threads in the group, could this be a faulty first mixer?

Any input greatly welcomed.

Cheers,
Tim

395. Re: HF 150 - Picking up stations only when switched to WHIP

Yahoo group: Lowe_Receivers
Date: 2011-02-11 20:12:27 UTC
From: pete.milnes@btinternet.com
Topic: 394 Message: 395

> Reading through the other threads in the group, could this be a faulty first mixer?

Could be a number of things, but the first mixer would be top of my list of suspects. Symptoms are reduced sensitivity across all bands and unusually high levels of noise on the stations that you are able to tune. It is difficult to take it further wihtout taking the lid off.

If you do take the lid off bear in mind that you need to take precautions against static. To confirm that the first mixer is faulty, compare the voltages on Q22 against those given in the service manual.

New (old stock) mixer chips are still available on ebay - search for SL 6440. Unfortunately, the vendors have realised the scarcity value of these chips and hiked their prices accordingling. Also, bewarned that replacing the chip is a very tricky task - only attempt it if you are sure of soldering skills.

396. Re: HF 150 - Picking up stations only when switched to WHIP

Yahoo group: Lowe_Receivers
Date: 2011-02-11 22:12:59 UTC
From: timlad90120
Topic: 394 Message: 396

Thanks Pete for responding.

Very high levels of noise were noticeable when compared with my HF-235. HF-150 for £25, I guess it had to have something wrong with it.

A quick search on eBay has revealed the Plessey SL6440c at £5 each. I will purchase one as a replacement/backup. Firstly, I'll do as you mention and test the voltages on Q22 and then take it from there.

Cheers,
Tim

397. Re: HF 150 - Picking up stations only when switched to WHIP - Hijacked.

Yahoo group: Lowe_Receivers
Date: 2011-02-12 10:32:44 UTC
From: valleyjinker
Topic: 394 Message: 397

--- In Lowe_Receivers@yahoogroups.com, "timlad90120" <timlad28@...> wrote:
>
> A quick search on eBay has revealed the Plessey SL6440c at £5 each.

The easiest way to replace the mixer is to cut the old one out. This can be done with a pair of pointy side-cutters, or devise your own method of cutting through the pins one by one. Once the legless mixer has been liberated, apply a soldering iron to each hole in turn, and with the aid of an old screwdriver lift out each leg. It's a bit time consuming but it's dead easy to do. Then you clear the holes of solder with solder-wick or a solder sucker. This was the method used by the factory.

Not everyone will have wick or a sucker. You could improvise some wick by taking a *small* piece of co-ax braid, tinning it with the smallest amount of ordinary flux cored solder, then applying it under an iron to the hole you want to clear.

At the risk of upsetting people, I'd like to compare ESD or static precautions to the UK health and safety culture.

It's exactly the same thing.

Just as there is a reason for not taking obvious risks when using a one handed chainsaw up a ladder, the RAM chip on the front panel pcb of a '225 will be destroyed if you don't tie everything down to ground (Fine to say that if you know, but you're stuffed if you don't...).

But that is the one and only instance of ESD sensitivity I've ever come across in decades of completely ignoring the rules!

398. Re: HF 150 - Picking up stations only when switched to WHIP

Yahoo group: Lowe_Receivers
Date: 2011-02-12 10:46:56 UTC
From: valleyjinker
Topic: 394 Message: 398

Oops...

>RAM chip on the front panel pcb of a '225 will be
destroyed

No problem while the RAM chip is in place. Care is only needed when you replace it.

Otherwise all the Lowe radios are ESD bullet proof during service work.

399. Re: [Lowe_Receivers] Re: HF 150 - Picking up stations only when switched to WHIP - Hijacked.

Yahoo group: Lowe_Receivers
Date: 2011-02-12 21:53:57 UTC
From: J FLETCHER
Topic: 394 Message: 399

Co-ax braid heated and dipped in rosin makes excellent solder wick. I bought some rosin from a local music shop. It comes in a little tin and is used by violinists and such. The shop assistant asked me what I wanted it for. She must have been able to tell I wasn't a musician. The answer surprised her, and I think she added it to her mental list of alternative uses for rosin.

73,

John G4EDX

--- On Sat, 12/2/11, valleyjinker <antoni@...> wrote:

From: valleyjinker <antoni@...>
Subject: [Lowe_Receivers] Re: HF 150 - Picking up stations only when switched to WHIP - Hijacked.
To: Lowe_Receivers@yahoogroups.com
Date: Saturday, 12 February, 2011, 10:32

--- In Lowe_Receivers@yahoogroups.com, "timlad90120" <timlad28@...> wrote:

>

> A quick search on eBay has revealed the Plessey SL6440c at £5 each.

The easiest way to replace the mixer is to cut the old one out. This can be done with a pair of pointy side-cutters, or devise your own method of cutting through the pins one by one. Once the legless mixer has been liberated, apply a soldering iron to each hole in turn, and with the aid of an old screwdriver lift out each leg. It's a bit time consuming but it's dead easy to do. Then you clear the holes of solder with solder-wick or a solder sucker. This was the method used by the factory.

Not everyone will have wick or a sucker. You could improvise some wick by taking a *small* piece of co-ax braid, tinning it with the smallest amount of ordinary flux cored solder, then applying it under an iron to the hole you want to clear.

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It's exactly the same thing.

Just as there is a reason for not taking obvious risks when using a one handed chainsaw up a ladder, the RAM chip on the front panel pcb of a '225 will be destroyed if you don't tie everything down to ground (Fine to say that if you know, but you're stuffed if you don't...).

But that is the one and only instance of ESD sensitivity I've ever come across in decades of completely ignoring the rules!

400. Intro and Request

Yahoo group: Lowe_Receivers
Date: 2011-02-22 16:16:54 UTC
From: cdorn@telusplanet.net
Topic: 400 Message: 400

Hi all. Name is Chris, and I'm located in Western Canada. Was a Lowe fan some number of years ago when I purchased an HF-225 back in the 90s. Really enjoyed chatting to Tony, and I think, Richard via e-mail in those days. Really first rate service. Sold the HF-225 and moved on to other pursuits. Back into things with an HF-150 that I received in trade from a fellow Canadian ham. Managed to find a PR-150, and I used this quite successfully with a K9AY loop for MW DX. The HF-150 is a lot of fun, and seems great with the exception of a slight alignment issue regarding the displayed frequency and zero beat. Probably not enough to fuss over. Apparently this one also has an audio mod done by Big Sky Audio. I would really like to find another HF-225 to round things off. Perhaps one will come available over here, but they seem to be fairly rare. Here's hoping...

Chris VE6IY

401. HF235 obtained!

Yahoo group: Lowe_Receivers
Date: 2011-02-24 18:43:29 UTC
From: Robert Allen
Topic: 401 Message: 401

I just took delivery of a beautiful HF-235! It was expensive, and I was wondering if I really should buy it, but after receiving it all doubt is erased. It comes in the rack mount case. Unbelievably heavy compared to its cousin the HF-225. It uses a BNC antenna connector so I need to order an adaptor. I also need to wire it up for 12 volt DC operation via the external RS-232 connector. So it's going to be a while before I get it up and running. But it's just a beauty.

Robert

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5904 (20110224) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

402. Re: HF235 obtained!

Yahoo group: Lowe_Receivers
Date: 2011-02-24 19:45:14 UTC
From: davelimmer@rocketmail.com
Topic: 401 Message: 402

I'm so envious! There's a 235 with a couple of faults on eBay at the moment (item no. 250777433526) but it's out of my current price range already, and you just know it's going to go sky-high. Looks like I'll be listening to my 125 and 225 a while longer...

Seriously, congratulations on finding such a fine (and rare!) receiver. Dare I ask how much you paid for it?

Dave

403. Re: HF 150 - Picking up stations only when switched to WHIP.

Yahoo group: Lowe_Receivers
Date: 2011-02-24 23:11:44 UTC
From: timlad90120
Topic: 394 Message: 403

Hi Folks,

Success! I finally managed to get the time to sit down and tackle replacing the defunct SL6440. It took me a good 90 minutes to snip and tease out from the board. I also took this opportunity to add a IC socket - I don't want to go through that procedure again in hurry! With the SL6440 fitted into the socket and powering up the HF-150 burst back to life. Out of curiosity, can anything be done to stop the first mixer going u/s again in the future?

While I had the cover off I followed the backlight tutorial from Marco and greatly enhanced my HF-150.

Thanks again to all @ Lowe_Receivers group.

Cheers,
Tim

--- In Lowe_Receivers@yahoogroups.com, "valleyjinker" <antoni@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "timlad90120" <timlad28@> wrote:
> >
> > A quick search on eBay has revealed the Plessey SL6440c at £5 each.
>
>
> The easiest way to replace the mixer is to cut the old one out. This can be done with a pair of pointy side-cutters, or devise your own method of cutting through the pins one by one. Once the legless mixer has been liberated, apply a soldering iron to each hole in turn, and with the aid of an old screwdriver lift out each leg. It's a bit time consuming but it's dead easy to do. Then you clear the holes of solder with solder-wick or a solder sucker. This was the method used by the factory.
>
> Not everyone will have wick or a sucker. You could improvise some wick by taking a *small* piece of co-ax braid, tinning it with the smallest amount of ordinary flux cored solder, then applying it under an iron to the hole you want to clear.
>
> At the risk of upsetting people, I'd like to compare ESD or static precautions to the UK health and safety culture.
>
> It's exactly the same thing.
>
> Just as there is a reason for not taking obvious risks when using a one handed chainsaw up a ladder, the RAM chip on the front panel pcb of a '225 will be destroyed if you don't tie everything down to ground (Fine to say that if you know, but you're stuffed if you don't...).
>

> But that is the one and only instance of ESD sensitivity I've ever come across in decades of completely ignoring the rules!
>

404. Re: HF235 obtained!

Yahoo group: Lowe_Receivers
Date: 2011-02-25 22:35:07 UTC
From: mikey
Topic: 401 Message: 404

if anyone is interested, I would sell mine

contact me at mmaghakian@yahoo.com

--- In Lowe_Receivers@yahoogroups.com, "Robert Allen" <rallen@...> wrote:
>
> I just took delivery of a beautiful HF-235! It was expensive, and I was
> wondering if I really should buy it, but after receiving it all doubt is
> erased. It comes in the rack mount case. Unbelievably heavy compared to
> its cousin the HF-225. It uses a BNC antenna connector so I need to order
> an adaptor. I also need to wire it up for 12 volt DC operation via the
> external RS-232 connector. So it's going to be a while before I get it up
> and running. But it's just a beauty.
>
> Robert
>
>
> _____ Information from ESET NOD32 Antivirus, version of virus signature
> database 5904 (20110224) _____
>
> The message was checked by ESET NOD32 Antivirus.
>
> http://www.eset.com
>

405. PR-150 Question

Yahoo group: Lowe_Receivers
Date: 2011-03-01 21:13:43 UTC
From: cdorn@telusplanet.net
Topic: 405 Message: 405

Hi again. I have a small issue with my PR-150. There is some slippage between the tuning capacitor shaft and the coupler that goes to the longer wooden tuning knob dowel. It is only over part of the range, but is most annoying. I could not readily detect how this coupler is affixed to the tuning cap shaft, but applying some pressure to the coupler while turning it helps. Is this a wear issue, or is there something loose that can be tightened up? I'm certain I'm missing something obvious here, but would appreciate some help if possible.

Chris

406. Re: PR-150 Question

Yahoo group: Lowe_Receivers
Date: 2011-03-01 23:02:12 UTC
From: frasercastle
Topic: 405 Message: 406

--- In Lowe_Receivers@yahoogroups.com, cdorn@... wrote:
>
> Hi again. I have a small issue with my PR-150. There is some slippage between the tuning capacitor shaft and the coupler that goes to the longer wooden tuning knob dowel. It is only over part of the range, but is most annoying. I could not readily detect how this coupler is affixed to the tuning cap shaft, but applying some pressure to the coupler while turning it helps. Is this a wear issue, or is there something loose that can be tightened up? I'm certain I'm missing something obvious here, but would appreciate some help if possible.
>
> Chris
>

The coupler has a screw running through it's centre and into the capacitor shaft. To access the screw head you need to loosen the allen key screw that retains the Paxolin(wood like)rod and remove the rod.

The rotational slippage should be limited by the 'keying' of the coupler to the capacitor shaft but some small movement can occur if the coupler centre screw becomes loose. Shimming of the coupler/capacitor shaft cheeks is also possible if wear has occurred.

I recommend a non permanent thread lock be used on the coupler screws to reduce the chances of them loosening with use.

Regards

Fraser

407. Re: PR-150 Question

Yahoo group: Lowe_Receivers
Date: 2011-03-02 01:33:05 UTC
From: driftermick
Topic: 405 Message: 407

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, cdorn@ wrote:
> >
> > Hi again. I have a small issue with my PR-150. There is some slippage between the tuning capacitor shaft and the coupler that goes to the longer wooden tuning knob dowel. It is only over part of the range, but is most annoying. I could not readily detect how this coupler is affixed to the tuning cap shaft, but applying some pressure to the coupler while turning it helps. Is this a wear issue, or is there something loose that can be tightened up? I'm certain I'm missing something obvious here, but would appreciate some help if possible.
> >
> > Chris
> >
>
> The coupler has a screw running through it's centre and into the capacitor shaft. To access the screw head you need to loosen the allen key screw that retains the Paxolin(wood like)rod and remove the rod.
>
> The rotational slippage should be limited by the 'keying' of the coupler to the capacitor shaft but some small movement can occur if the coupler centre screw becomes loose. Shimming of the coupler/capacitor shaft cheeks is also possible if wear has occurred.
>
> I recommend a non permanent thread lock be used on the coupler screws to reduce the chances of them loosening with use.
>
> Regards
>
> Fraser
>

Fraser.

Question here. A non permanent "thread lock". Are you talking about a liquid? Something, we in the states, call Lock Tight? which
is a brand name that comes to mind. But, that is what you mean? I
have never tried, or even thought of using something like this
in a radio repair. Great idea. As you said, "a non permanent type".
Some of that locking goop becomes like glue, or concrete over time.
And heat has a different effect on different types. Fraser, you are
the man. Thanks for the tip.

Drifter...

408. Re: PR-150 Question

Yahoo group: Lowe_Receivers
Date: 2011-03-02 17:10:38 UTC
From: cdorn@telusplanet.net
Topic: 405 Message: 408

Thanks Fraser. That's got it. I couldn't see into the coupler when I had it apart to determine how it was attached. We'll see how it holds up, and I will take your advice regarding the thread lock if need be. Personally, I have opted for a narrower tuning knob, as I find the supplied one to be larger than I like without a decent grip for the finer adjustments on the PR-150. Willing to sacrifice the aesthetics for operational comfort.

I am enjoying this HF-150, and the PR-150 makes all the difference for my situation. Apart from the slight frequency alignment that I mentioned previously, the only other niggly is the job that someone had done on the backlight. I can see darker blobs behind the display, and I'm guessing they hadn't peeled off the foil properly. Again, it's pretty minor, but somewhat irritating. Still looking for that elusive HF-225 on this side of the pond...

Cheers,
Chris

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...> wrote:
>
>
> The coupler has a screw running through it's centre and into the capacitor shaft. To access the screw head you need to loosen the allen key screw that retains the Paxolin(wood like)rod and remove the rod.
>
> The rotational slippage should be limited by the 'keying' of the coupler to the capacitor shaft but some small movement can occur if the coupler centre screw becomes loose. Shimming of the coupler/capacitor shaft cheeks is also possible if wear has occurred.
>
> I recommend a non permanent thread lock be used on the coupler screws to reduce the chances of them loosening with use.
>
> Regards
>
> Fraser
>

409. Re: PR-150 Question

Yahoo group: Lowe_Receivers
Date: 2011-03-02 18:53:10 UTC
From: frasercastle
Topic: 405 Message: 409

--- In Lowe_Receivers@yahoogroups.com, "driftermick" <driftermick@...> wrote:
>
>
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@> wrote:
> >
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, cdorn@ wrote:
> > >
> > > Hi again. I have a small issue with my PR-150. There is some slippage between the tuning capacitor shaft and the coupler that goes to the longer wooden tuning knob dowel. It is only over part of the range, but is most annoying. I could not readily detect how this coupler is affixed to the tuning cap shaft, but applying some pressure to the coupler while turning it helps. Is this a wear issue, or is there something loose that can be tightened up? I'm certain I'm missing something obvious here, but would appreciate some help if possible.
> > >
> > > Chris
> > >
> >
> > The coupler has a screw running through it's centre and into the capacitor shaft. To access the screw head you need to loosen the allen key screw that retains the Paxolin(wood like)rod and remove the rod.
> >
> > The rotational slippage should be limited by the 'keying' of the coupler to the capacitor shaft but some small movement can occur if the coupler centre screw becomes loose. Shimming of the coupler/capacitor shaft cheeks is also possible if wear has occurred.
> >
> > I recommend a non permanent thread lock be used on the coupler screws to reduce the chances of them loosening with use.
> >
> > Regards
> >
> > Fraser
> >
>
> Fraser.
>
> Question here. A non permanent "thread lock". Are you talking about a liquid? Something, we in the states, call Lock Tight? which
> is a brand name that comes to mind. But, that is what you mean? I

> have never tried, or even thought of using something like this
> in a radio repair. Great idea. As you said, "a non permanent type".
> Some of that locking goop becomes like glue, or concrete over time.
> And heat has a different effect on different types. Fraser, you are
> the man. Thanks for the tip.
>
> Drifter...
>

Hi Drifter

In the UK we have thread lock that is made by Loctite ;-)

The thread lock is a thin blue or red fluid that remains fluid until air is excluded from it's surface, as in the threads of a screw when inserted in a nut or threaded hole. The two types that I use are permanent and non-permananent depending upon the application. As a general rule you would only use the permananent thread lock in circumstances where you or anyone else will never wish to release the screw as it sets glass hard in the threads.

The non-permanent thread lock sets to a thick material that is very resistant to vibration but will allow the release of the screw if enough torque is applied. Some screws are supplied with a rubbery type of non permanent thread lock already pressed into the threads ready to be 'activated' when the screw is deployed.

I used to fly radio control helicopters (large ones !) and thread lock was an essential part of the build as those birds shaked rattled and rolled their way into the air ..... it would be most embarrasing to have screws work loose and the thing fall apart in the air :-)

Thread lock is great stuff in most vibration risk environments. In radio gear it is not uncommon to find a hard varnish used for similar purposes and car acrylic or celulose 'touch-up' paint 'pens' will work in those applications quite well.

Regards

Fraser

410. RE: [Lowe_Receivers] Re: PR-150 Question

Yahoo group: Lowe_Receivers
Date: 2011-03-02 19:17:14 UTC
From: Robert Allen
Topic: 405 Message: 410

Which side of the pond is "this side" ?

-----Original Message-----
From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of cdorn@...
Sent: Wednesday, March 02, 2011 9:11 AM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Re: PR-150 Question

Thanks Fraser. That's got it. I couldn't see into the coupler when I had it apart to determine how it was attached. We'll see how it holds up, and I will take your advice regarding the thread lock if need be. Personally, I have opted for a narrower tuning knob, as I find the supplied one to be larger than I like without a decent grip for the finer adjustments on the PR-150. Willing to sacrifice the aesthetics for operational comfort.

I am enjoying this HF-150, and the PR-150 makes all the difference for my situation. Apart from the slight frequency alignment that I mentioned previously, the only other niggly is the job that someone had done on the backlight. I can see darker blobs behind the display, and I'm guessing they hadn't peeled off the foil properly. Again, it's pretty minor, but somewhat irritating. Still looking for that elusive HF-225 on this side of the pond...

Cheers,
Chris

--- In Lowe_Receivers@yahoogroups.com, "frasercastle" <fraser.castle@...>
wrote:
>
>
> The coupler has a screw running through it's centre and into the capacitor
shaft. To access the screw head you need to loosen the allen key screw that
retains the Paxolin(wood like)rod and remove the rod.
>
> The rotational slippage should be limited by the 'keying' of the coupler
to the capacitor shaft but some small movement can occur if the coupler
centre screw becomes loose. Shimming of the coupler/capacitor shaft cheeks
is also possible if wear has occurred.
>
> I recommend a non permanent thread lock be used on the coupler screws to
reduce the chances of them loosening with use.
>
> Regards
>
> Fraser

>

Yahoo! Groups Links

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5920 (20110302) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5920 (20110302) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

411. Re: PR-150 Question

Yahoo group: Lowe_Receivers
Date: 2011-03-02 20:10:07 UTC
From: cdorn@telusplanet.net
Topic: 405 Message: 411

My mistake. Should have clarified that. I am located in Canada. I see that Universal Radio in the US has an HF-225 with keypad and FM board, but alas, they will not ship used gear out of the USA.

Chris VE6IY

--- In Lowe_Receivers@yahoogroups.com, "Robert Allen" <rallen@...> wrote:
>
> Which side of the pond is "this side" ?
>
> -----Original Message-----
>Still looking for that elusive HF-225 on this side of the
> pond...
>
> Cheers,
> Chris
>
>

412. RE: [Lowe_Receivers] Re: PR-150 Question

Yahoo group: Lowe_Receivers
Date: 2011-03-02 21:25:00 UTC
From: Robert Allen
Topic: 405 Message: 412

Doh. Bummer. Well 225's do show up on ebay periodically.

Robert

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5921 (20110302) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

413. Re: PR-150 Question

Yahoo group: Lowe_Receivers
Date: 2011-03-03 02:01:43 UTC
From: driftermick
Topic: 405 Message: 413

> > Fraser.
> >
> > Question here. A non permanent "thread lock". Are you talking about a liquid? Something, we in the states, call Lock Tight? which
> > is a brand name that comes to mind. But, that is what you mean? I
> > have never tried, or even thought of using something like this
> > in a radio repair. Great idea. As you said, "a non permanent type".
> > Some of that locking goop becomes like glue, or concrete over time.
> > And heat has a different effect on different types. Fraser, you are
> > the man. Thanks for the tip.
> >
> > Drifter...
> >
>
>
> Hi Drifter
>
> In the UK we have thread lock that is made by Loctite ;-)
>
> The thread lock is a thin blue or red fluid that remains fluid until air is excluded from it's surface, as in the threads of a screw when inserted in a nut or threaded hole. The two types that I use are permanent and non-permananent depending upon the application. As a general rule you would only use the permananent thread lock in circumstances where you or anyone else will never wish to release the screw as it sets glass hard in the threads.
>
> The non-permanent thread lock sets to a thick material that is very resistant to vibration but will allow the release of the screw if enough torque is applied. Some screws are supplied with a rubbery type of non permanent thread lock already pressed into the threads ready to be 'activated' when the screw is deployed.
>
> I used to fly radio control helicopters (large ones !) and thread lock was an essential part of the build as those birds shaked rattled and rolled their way into the air ..... it would be most embarrasing to have screws work loose and the thing fall apart in the air :-)
>
> Thread lock is great stuff in most vibration risk environments. In radio gear it is not uncommon to find a hard varnish used for similar purposes and car acrylic or celulose 'touch-up' paint 'pens' will work in those applications quite well.
>
> Regards
>
> Fraser
>

Fraser, that's the stuff. have not used any from my youth.
the days of hot cars and bikes. still say, great idea.

hope you are well.

Drifter...

414. threadlock

Yahoo group: Lowe_Receivers
Date: 2011-03-03 10:14:07 UTC
From: johnbg8jmb
Topic: 414 Message: 414

A free [if there are women in the family] threadlock, non permanent, is nail varnish....handy bottle with a brush...works well
johnb

415. Lowe PR-150 Preselector Wanted

Yahoo group: Lowe_Receivers
Date: 2011-03-12 22:36:04 UTC
From: bigskyaudiomt
Topic: 415 Message: 415

I am looking to purchase a Lowe PR-150 preselector in excellent condition with a manual. Thank you.

416. Re: Lowe PR-150 Preselector Wanted

Yahoo group: Lowe_Receivers
Date: 2011-03-13 12:29:38 UTC
From: frasercastle
Topic: 415 Message: 416

--- In Lowe_Receivers@yahoogroups.com, "bigskyaudiomt" <helena4us@...> wrote:
>
> I am looking to purchase a Lowe PR-150 preselector in excellent condition with a manual. Thank you.
>

PM sent 13/3/11

Fraser

417. WTB: SP-150

Yahoo group: Lowe_Receivers
Date: 2011-04-08 15:20:57 UTC
From: cdorn@telusplanet.net
Topic: 417 Message: 417

Hello all,

Looking for that elusive beast, the SP-150. I'm located in Canada, so North American transaction preferred. Also still looking for an HF-225 receiver at reasonable cost.

Cheers,
Chris VE6IY

418. Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-10 12:02:12 UTC
From: Dave
Topic: 418 Message: 418

Hi Folks,

I trawled through years worth of posts on the subject on the old Lowe List before I came here, so apologies if this has been covered already.
Aside from being 'rough' on USB on a cold start up, my HF-225 seems to be pretty decent, however, I'd like to know if it's a fault I'm having or not...

When tuning around in SSB and I come across a strong signal, usually a carrier, I get a short 'blip' sound every half-turn of the encoder knob, when tuning to zero beat (or away from it). If that makes any sense?

I also seem to suffer from some internal encoder hash because when there's not much signal input to the radio (attn on) I can hear the CPU making its noises.

Otherwise I'm happy with the radio - its the only HF receiver I have that doesn't crumble under intermod when using my ALA-100 with its 20mtr diameter loop.

David, Rochdale, UK.

420. Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-11 21:18:35 UTC
From: Steve
Topic: 418 Message: 420

Re: Faulty HF-225?

Hi David

That is a coincidence ! Just joined this group because yesterday I acquired an HF-225 (it's actually my uncle's - also David !) and one of the first things I noticed about it was the same fault, if that is what it is. It is as if the synthesiser phase-locked loop is very briefly unlocking. I can't see how this could be related to reception of strong carriers though, so maybe that isn't it. Maybe this is normal for this receiver.

Another effect I noticed last night when listening to a strong local station on around 2 MHz LSB, was that it suddenly faded, over a period of 2 or 3 seconds to a much weaker level and did not recover. I later found that by turning the radio off for a few seconds then back on, the signal level returned to the original strong level. Then later it happened again. Looks like this could be a fault. I haven't noticed this problem at all this evening though.

I am doing an assessment of this receiver prior to possibly selling it on eBay for my uncle, by the way.

Regards
Steve
M0STC

421. Re: [Lowe_Receivers] Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-11 21:54:57 UTC
From: Dave
Topic: 418 Message: 421

Hi Steve,

I can't say I've noticed your second fault, but I'm glad it's not just me.

I hear it on strong STANAG-4285 transmissions too, but mainly noticeable when tuning down onto an AM carrier. I've delved inside the radio done what I can within my limits (of experience and equipment) to fault find, and now the radio is dead on for frequency accuracy, but that's all I feel confident doing. I have no signal generation gear or anything else, just a good quality frequency counter.

Hope someone else knows what this is - a fault or a design fault? :)
I'm sure it wouldn't have been acceptable in the day when these things were built - no other radio I own does it.

David (M3ECM).

On 11 April 2011 22:18, Steve <sonatine123@...> wrote:
> Re: Faulty HF-225?
>
>
> Hi David
>
> That is a coincidence ! Just joined this group because yesterday I acquired an HF-225 (it's actually my uncle's - also David !) and one of the first things I noticed about it was the same fault, if that is what it is. It is as if the synthesiser phase-locked loop is very briefly unlocking. I can't see how this could be related to reception of strong carriers though, so maybe that isn't it. Maybe this is normal for this receiver.
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>
> Regards
> Steve
> M0STC
>
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> Yahoo! Groups Links
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--
Icom PCR-1000 + many antennas.
180m location in Manchester.

http://nwmonitor.blogspot.com/

422. Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-11 22:28:22 UTC
From: Fraser
Topic: 418 Message: 422

--- In Lowe_Receivers@yahoogroups.com, Dave <nwmonitor@...> wrote:
>
> Hi Steve,
>
> I can't say I've noticed your second fault, but I'm glad it's not just me.
>
> I hear it on strong STANAG-4285 transmissions too, but mainly
> noticeable when tuning down onto an AM carrier. I've delved inside
> the radio done what I can within my limits (of experience and
> equipment) to fault find, and now the radio is dead on for frequency
> accuracy, but that's all I feel confident doing. I have no signal
> generation gear or anything else, just a good quality frequency
> counter.
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> were built - no other radio I own does it.
>
> David (M3ECM).
>
> On 11 April 2011 22:18, Steve <sonatine123@...> wrote:
> > Re: Faulty HF-225?
> >
> >
> > Hi David
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> >
> > Regards
> > Steve
> > M0STC

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> > Yahoo! Groups Links
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> --
> Icom PCR-1000 + many antennas.
> 180m location in Manchester.
>
> http://nwmonitor.blogspot.com/
>

Chaps,

The best way to diagnose and resolve problems like those that you are experiencing, is for the receivers to be tested and aligned in accordance with the service manual. Any tolerance related issues due to aging or component failure may then be assessed and corrected. The HF-225 does not have a complex alignment procedure but decent test equipment is required to do it properly.

With regard to signal fade symptoms.... that is unusual and would appear to be a fault requiring investigation with an RF signal generator and other test kit to monitor the signal path levels. You should check the small aerial switch on the rear of the receiver for correct performance as these can suffer from intermittant contacts due to age/ingress of dust etc. Switch cleaner often resolves the situation.

I regret I cannot offer a repair or alignment service at this time as I am fully booked for at least the next few months with commercial work.

Fraser

423. Re: [Lowe_Receivers] Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-11 22:43:54 UTC
From: Dave
Topic: 418 Message: 423

On 11 April 2011 23:28, Fraser <fraser.castle@...> wrote:
>
> The best way to diagnose and resolve problems like those that you are experiencing, is for the receivers to be tested and aligned in accordance with the service manual. Any tolerance related issues due to aging or component failure may then be assessed and corrected. The HF-225 does not have a complex alignment procedure but decent test equipment is required to do it properly.

Fraser:

Thanks for the reply.

My 300/50/whip switch is 'dodgy' to say the least, and I will give it
a good coat of switch cleaner.

I'll look through the service manual again and see what else I can do,
without beggaring it up ;)

Aside from the minor problem I'm having, I wish the B-225 battery
holders were easier to get in and out. Taking out fiddly little nuts
and bolts isn't my idea of fun.

David.

424. Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-12 11:37:23 UTC
From: Steve
Topic: 418 Message: 424

Thanks for that suggestion Fraser.
I too will look at that switch.

Regards
Steve
M0STC

425. Re: [Lowe_Receivers] Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-12 15:02:44 UTC
From: Dave
Topic: 418 Message: 425

I made a video on Youtube of the 'fault'.

Or a design feature... I'm not sure. I would be grateful if any other
'225 owners could let me know if this is normal.

http://www.youtube.com/watch?v=IiPU5XSfNfo

Thanks
David.

On 12 April 2011 12:37, Steve <sonatine123@...> wrote:
> Thanks for that suggestion Fraser.
> I too will look at that switch.

426. Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-12 19:53:12 UTC
From: davelimmer@rocketmail.com
Topic: 418 Message: 426

Hi David,

If it's any consolation, my HF-225 does exactly the same. I could swear I posted a query about it on the other (spam-infested) Lowe group a year or so back, but damned if I can find it now. In fact, I could also swear there's been a more recent post on this group about the "glitch" or whatever you want to call it, but I can't find that either!

Anyway, I'm pretty sure that the general consensus is that it's a common quirk, and it's certainly quite mild compared to some of the chuffs and clicks I've heard from other synthesised receivers.

Hope this helps set your mind at rest.

Regards,

Dave

427. Re: [Lowe_Receivers] Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-12 20:02:14 UTC
From: Dave
Topic: 418 Message: 427

Hi Dave,

Thank you. I will do another search on this and the spamlist. I'm
not sure which search terms to use, but will give me something to do
;)

I do get some encoder/synth noise when the signal levels are low, and
I've heard a decoupling cap across the encoder can help with that.
It's not a big deal really. The noise floor is usually higher than
the synth noise.

D.

On 12 April 2011 20:53, davelimmer@...
<davelimmer@rocketmail.com> wrote:
> Hi David,
>
> If it's any consolation, my HF-225 does exactly the same. I could swear I posted a query about it on the other (spam-infested) Lowe group a year or so back, but damned if I can find it now. In fact, I could also swear there's been a more recent post on this group about the "glitch" or whatever you want to call it, but I can't find that either!
>
> Anyway, I'm pretty sure that the general consensus is that it's a common quirk, and it's certainly quite mild compared to some of the chuffs and clicks I've heard from other synthesised receivers.
>
> Hope this helps set your mind at rest.
>
> Regards,
>
> Dave
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
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>

--
Icom PCR-1000 + many antennas.
180m location in Manchester.

http://nwmonitor.blogspot.com/

428. Re: [Lowe_Receivers] Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-12 20:07:24 UTC
From: Dave
Topic: 418 Message: 428

For reference, I just searched for 'Quirk' and it came up:
http://groups.yahoo.com/group/Lowe_Receivers/message/246

I will do some more digging, but as you say DaveL, it seems like a
feature ;) rather than a fault.

D.
(the other one.)

>> If it's any consolation, my HF-225 does exactly the same. I could swear I posted a query about it on the other (spam-infested) Lowe group a year or so back, but damned if I can find it now. In fact, I could also swear there's been a more recent post on this group about the "glitch" or whatever you want to call it, but I can't find that either!

429. Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-12 20:51:14 UTC
From: davelimmer@rocketmail.com
Topic: 418 Message: 429

Hi David,

That's the very one! Reassuring to know I'm not senile yet. Out of interest I just fired up my HF-125, which I've only ever used for MW broadcasts, and tuned it through the CW section of 80m - it has a very similar "quirk", perhaps even a little more pronounced. Never noticed it before, but as I say I've only used it on AM.

Still, it doesn't detract from the curiously addictive charm of these Lowe receivers. I've had many receivers come and go over the past few years, but the Lowes - and possibly my Icom IC-R70, another quirky old rig - are keepers.

Regards,

Dave

430. Re: [Lowe_Receivers] Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-12 20:59:00 UTC
From: Dave
Topic: 418 Message: 430

On 12 April 2011 21:51, davelimmer@...
<davelimmer@...m> wrote:
> That's the very one! Reassuring to know I'm not senile yet. Out of interest I just fired up my HF-125, which I've only ever used for MW broadcasts, and tuned it through the CW section of 80m - it has a very similar "quirk", perhaps even a little more pronounced. Never noticed it before, but as I say I've only used it on AM.
>
> Still, it doesn't detract from the curiously addictive charm of these Lowe receivers. I've had many receivers come and go over the past few years, but the Lowes - and possibly my Icom IC-R70, another quirky old rig - are keepers.

Reading some more posts I found (look for 'Glitch') it seems like
getting the 8kHz difference when adjusting the various adjustments (!)
is key.

I am happy with the frequency accuracy right now, and I can live with
the glitch/pop whatever you want to call it, so I am going to leave
well alone... for now. Tinkering usually makes things worse.

D.

431. Wanted: Lowe PR-150 Preselector

Yahoo group: Lowe_Receivers
Date: 2011-04-13 18:14:04 UTC
From: bigskyaudiomt
Topic: 431 Message: 431

I am still looking for a Lowe PR-150 preselector in excellent condition with manual. Serious buyer with a generous offer for the right unit.

432. Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-20 21:36:49 UTC
From: Steve
Topic: 418 Message: 432

Hi there

Just as a footnote to this, I followed up this link and line of messages, and as a result tried the adjustment to the range of the 'pulled' crystal oscillator (via VR2). As expected, it changes the total range of the oscillator, and neeeds to be set so the crystal oscillator sweeps across exactly 1 kHz thus matching the 1 kHz steps of the PLL oscillator. This was fine, and not a difficult adjustment. However, it did not cure the 'glitch' at 1 kHz steps. I therefore conclude that the actual cause of the glitch is the short period that the PLL oscillator takes to lock to a new frequency when making a 1 kHz step. I very much doubt whether there is a cure for this, and therefore believe that this is a 'feature' rather than a 'fault', i.e. they probably all do it.

Steve
M0STC

--- In Lowe_Receivers@yahoogroups.com, Dave <nwmonitor@...> wrote:
>
> For reference, I just searched for 'Quirk' and it came up:
> http://groups.yahoo.com/group/Lowe_Receivers/message/246
>
> I will do some more digging, but as you say DaveL, it seems like a
> feature ;) rather than a fault.
>
> D.
> (the other one.)
>
> >> If it's any consolation, my HF-225 does exactly the same. I could swear I posted a query about it on the other (spam-infested) Lowe group a year or so back, but damned if I can find it now. In fact, I could also swear there's been a more recent post on this group about the "glitch" or whatever you want to call it, but I can't find that either!
>

433. Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-21 04:14:15 UTC
From: Jonathan Bignall
Topic: 418 Message: 433

Hi.

For what it's worth, I've had my HF-225 from new in 1992 and it has always exhibited the 1 KHz "hiccup". The only time I notice it is when coming back to the 225 after using a different radio for a while...

Jon

434. Re: Faulty HF-225?

Yahoo group: Lowe_Receivers
Date: 2011-04-21 18:55:25 UTC
From: valleyjinker
Topic: 418 Message: 434

--- In Lowe_Receivers@yahoogroups.com, "Steve" <sonatine123@...> wrote:
>
> Hi there
>
> Just as a footnote to this, I followed up this link and line of messages, and as a result tried the adjustment to the range of the 'pulled' crystal oscillator (via VR2). As expected, it changes the total range of the oscillator, and neeeds to be set so the crystal oscillator sweeps across exactly 1 kHz thus matching the 1 kHz steps of the PLL oscillator. This was fine, and not a difficult adjustment. However, it did not cure the 'glitch' at 1 kHz steps. I therefore conclude that the actual cause of the glitch is the short period that the PLL oscillator takes to lock to a new frequency when making a 1 kHz step. I very much doubt whether there is a cure for this, and therefore believe that this is a 'feature' rather than a 'fault', i.e. they probably all do it.

That is exactly correct. The pulled crystal shifted instantly, but the PLL takes a few milliseconds to stabilise, hence the "plop". Lowe had loads of phone-support calls on this point.

435. searchin for a user manual HF-250

Yahoo group: Lowe_Receivers
Date: 2011-04-22 19:48:30 UTC
From: radiohobby101
Topic: 435 Message: 435

Just bought a HF-250 that was not in use for many years.
It is working fine after I repaired/cleaned the encoder.
But missing the manual.
Some buttons seem to have a second function, but I don't know how to access them,
Also is it not possible for me to adjust the clock.
Who can help me with this?

Now I am looking for a manual, I searched the internet but could not find it.

Who can help me with a copy/scan from the HF-250 manual.

Luuk

436. Re: searchin for a user manual HF-250

Yahoo group: Lowe_Receivers
Date: 2011-04-22 21:44:58 UTC
From: davelimmer@rocketmail.com
Topic: 435 Message: 436

> Who can help me with a copy/scan from the HF-250 manual.

There's a manual in the "Files" section of this group, link on the left.

Dave

437. HF-150 Tuning Knobs

Yahoo group: Lowe_Receivers
Date: 2011-05-04 16:23:00 UTC
From: davelimmer@rocketmail.com
Topic: 437 Message: 437

Hi all,

Just managed to find myself an HF-150 with keypad and PSU at a reasonable price. It works perfectly, but is a little "challenged" cosmetically, particularly the tuning knob which is worn down to bare metal around the edge and in the finger dimple.

I've been in touch with Tony Mikol and he only has the HF-125/225 type available. This would do at a pinch, but does anyone on the group have a suitable knob to spare, or can suggest a source? All expenses defrayed, of course.

Many thanks,

Dave

438. Re: [Lowe_Receivers] HF-150 Tuning Knobs

Yahoo group: Lowe_Receivers
Date: 2011-05-04 18:55:01 UTC
From: Frequency Precision Ltd
Topic: 437 Message: 438

I think the Knob is anodised and then dyed black a standard process
you may find the process done in the UK
Note I have not tried it but it should be possible to take the output
from a mechanical mouse and connect it in place of the output from the
encoder behind the knob. Use3 the mouse to change the frequency !
With interface electronics an optical mouse could be used.
Doug

On 04/05/2011, davelimmer@... <davelimmer@...> wrote:
>
> Hi all,
>
> Just managed to find myself an HF-150 with keypad and PSU at a reasonable
> price. It works perfectly, but is a little "challenged" cosmetically,
> particularly the tuning knob which is worn down to bare metal around the
> edge and in the finger dimple.
>
> I've been in touch with Tony Mikol and he only has the HF-125/225 type
> available. This would do at a pinch, but does anyone on the group have a
> suitable knob to spare, or can suggest a source? All expenses defrayed, of
> course.
>
> Many thanks,
>
>
> Dave
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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>

439. SMC HF-150M For Sale

Yahoo group: Lowe_Receivers
Date: 2011-05-07 10:45:32 UTC
From: g1drp
Topic: 439 Message: 439

Hi everybody. I have a black SMC version for sale in good cosmetic condition and 100% working.
Comes with original instruction manual.
£80 including postage. Paypal gift or + 4%
This is the radio only no psu or keypad. It has the phantom power supply fitted but it is switched off at the moment. You have to remove the bottom panel and move a jumper over to connect it.
73,
Ian G1DRP

440. Re: SMC HF-150M For Sale

Yahoo group: Lowe_Receivers
Date: 2011-05-07 11:42:22 UTC
From: Mark N
Topic: 439 Message: 440

Hi Ian,

I am interested in your radio. Does it have the back light and I don't know what the phantom power supply is!!

Many thanks, Mark.

--- In Lowe_Receivers@yahoogroups.com, "g1drp" <i.m.hand@...> wrote:
>
> Hi everybody. I have a black SMC version for sale in good cosmetic condition and 100% working.
> Comes with original instruction manual.
> £80 including postage. Paypal gift or + 4%
> This is the radio only no psu or keypad. It has the phantom power supply fitted but it is switched off at the moment. You have to remove the bottom panel and move a jumper over to connect it.
> 73,
> Ian G1DRP
>

441. Re: HF-150 Tuning Knobs

Yahoo group: Lowe_Receivers
Date: 2011-05-07 11:58:47 UTC
From: Fraser
Topic: 437 Message: 441

--- In Lowe_Receivers@yahoogroups.com, "davelimmer@..." <davelimmer@...> wrote:
>
>
> Hi all,
>
> Just managed to find myself an HF-150 with keypad and PSU at a reasonable price. It works perfectly, but is a little "challenged" cosmetically, particularly the tuning knob which is worn down to bare metal around the edge and in the finger dimple.
>
> I've been in touch with Tony Mikol and he only has the HF-125/225 type available. This would do at a pinch, but does anyone on the group have a suitable knob to spare, or can suggest a source? All expenses defrayed, of course.
>
> Many thanks,
>

Dave,

The original Lowe tuning knobs were Anodised Aluminium with a 'black' colour pigment used. Some turned out more dark purple than black but they generally look pretty good even afters years of use. Yours sounds to have had a lot of use so watch out for any encoder issues due to wear in the spindle 'bearing' or contact surfaces. They are pretty reliable though.

I have some spare NOS HF-150 tuning knobs but they were for the SMC HF-150 and are not anodised. SMC went for a black painted knob that is the same size as the original Lowe and still made of aluminium. It appears to be painted with the sort of paint used on car alloy wheels so is very hard wearing. The paint finish is satin look.

Let me know if one of my SMC HF-150 tuning knobs is of interest.

Fraser
>
> Dave
>

442. Re: SMC HF-150M For Sale

Yahoo group: Lowe_Receivers
Date: 2011-05-07 17:16:34 UTC
From: g1drp
Topic: 439 Message: 442

This radio is now SOLD.
Thanks,
Ian

--- In Lowe_Receivers@yahoogroups.com, "g1drp" <i.m.hand@...> wrote:
>
> Hi everybody. I have a black SMC version for sale in good cosmetic condition and 100% working.
> Comes with original instruction manual.
> £80 including postage. Paypal gift or + 4%
> This is the radio only no psu or keypad. It has the phantom power supply fitted but it is switched off at the moment. You have to remove the bottom panel and move a jumper over to connect it.
> 73,
> Ian G1DRP
>

443. HF-150 issues

Yahoo group: Lowe_Receivers
Date: 2011-05-11 17:15:57 UTC
From: davelimmer@rocketmail.com
Topic: 443 Message: 443

Hi all,

Well, a week ago I was so happy with my new (to me) HF-150, apart from the minor cosmetic issues mentioned in previous posts. Now, I'm afraid I have more serious problems.

I noticed that the radio wouldn't run at all on a fully charged set of Ni-Mh batteries (9.6v), but was fine on standard alkaline cells and the AC power supply. A little searching through previous posts seemed to suggest that Q17 (LP2951), the 8v regulator was likely to be faulty, so I ordered a couple from RS. However, before I could dig in to the radio, it cut out without warning. There was no audio apart from a faint hiss and a clicking noise as the encoder was turned. All display functions seemed normal.

The 12v and 5v rails tested okay, but the 8v measured only around 0.6v - seemed reasonable to assume that Q17 had indeed died a death, so I went ahead and replaced it, and also the occasionally troublesome C47 for good measure. Not a scrap of difference - same symptoms, same voltage measurements as before. Looking at the circuit, the LP2951 error comparator output feeds directly to the CPU, so is the low output indicative of a fault within the CPU itself?

I hope you can help me, I'm a valve-era guy dabbling in a digital area, and I'm a little out of my comfort zone!

Thanks in anticipation,

Dave

444. Re: HF-150 issues

Yahoo group: Lowe_Receivers
Date: 2011-05-12 22:46:53 UTC
From: Fraser
Topic: 443 Message: 444

--- In Lowe_Receivers@yahoogroups.com, "davelimmer@..." <davelimmer@...> wrote:
>
>
> Hi all,
>
> Well, a week ago I was so happy with my new (to me) HF-150, apart from the minor cosmetic issues mentioned in previous posts. Now, I'm afraid I have more serious problems.
>
> I noticed that the radio wouldn't run at all on a fully charged set of Ni-Mh batteries (9.6v), but was fine on standard alkaline cells and the AC power supply. A little searching through previous posts seemed to suggest that Q17 (LP2951), the 8v regulator was likely to be faulty, so I ordered a couple from RS. However, before I could dig in to the radio, it cut out without warning. There was no audio apart from a faint hiss and a clicking noise as the encoder was turned. All display functions seemed normal.
>
> The 12v and 5v rails tested okay, but the 8v measured only around 0.6v - seemed reasonable to assume that Q17 had indeed died a death, so I went ahead and replaced it, and also the occasionally troublesome C47 for good measure. Not a scrap of difference - same symptoms, same voltage measurements as before. Looking at the circuit, the LP2951 error comparator output feeds directly to the CPU, so is the low output indicative of a fault within the CPU itself?
>
> I hope you can help me, I'm a valve-era guy dabbling in a digital area, and I'm a little out of my comfort zone!
>
> Thanks in anticipation,
>
> Dave
>

Dave,

The good news is that I doubt the microprocessor is to blame :-)

Q17 just takes the 9-12V supply and regulates it down to 8V. The ERR output on it's pin 5 is used to tell the microprocessor that the batteries are getting almost discharged and activates the battery warning on the display.

If you have >9V at pin 8 of Q17 and less than 8V on it's pin 1, then either it is faulty or the 8V rail is being pulled down by a low impedance such as a shorted electrolytic capacitor or failed semiconductor.

The +8V rail from Q17 supplies mainly the analogue RF stages of the receiver so don't worry that you normally prefer valves.... this is likely to be a case of hunting for the low impedance with no digital involvement :-)

Three components have caused similar symptoms to yours in my experience, C47, Q19 and Q23. C47 is known to you and just an underrated component that fails with age. Q23 can fail in such a manner as to load the supply rail heavily but tit usually gets hot to the touch as well. Q19 is an interesting little failure. It is the J310 whip amplifier FET and is subject to static damage. When Q19 fails it can often go internal short so whenever the whip amplifier aerial input switch position is selected it kills the 8V rail.

You need to take a look at all components that are running off of the +8v rail to see if any show evidence of overheating or in the case of electrolytics, leakage of electrolyte. If the HF-150 contained tantalum caps I would suggest one of those was teh cause of your woes but it doesn't so that's no help to you.

This will be a pretty standard 'hunt the short' process. There is advantage id lifting certain key components to isolate parts of teh 8V supply rail in order to zero in on the problem area. Care must be taken to avoid PCB damage though.

In my workshop I use a piece of equipment called the POLAR Toneohm 850 and the Toneohm 700 to trace low impedances or shorts across power supply rails. It was designed for the task and is very effective. Sadly it is also very expensive :-(

Let us know how you get on.

Regards

Fraser

445. Re: HF-150 issues

Yahoo group: Lowe_Receivers
Date: 2011-05-14 06:49:06 UTC
From: davelimmer@rocketmail.com
Topic: 443 Message: 445

Hi Fraser,

Many thanks for taking the time to reply, and for the useful pointers. I'm relieved it's not likely to be CPU-related - bog standard fault-finding I can handle! I was hoping to have some time to spare this weekend to look into it, but I'm afraid I have to work instead. I'll certainly keep you informed when I get a spare few hours to fire up the soldering iron and break out the multimeter.

Thanks again,

Dave

446. Re: HF-150 issues

Yahoo group: Lowe_Receivers
Date: 2011-05-14 11:11:46 UTC
From: Fraser
Topic: 443 Message: 446

Dave,

I will break out my HF-150 test-bed and take some unpowered readings on the 8V rail for you. Resistance readings may lead to to the problem. I will also highlight the components that I would lift to isolate circuits that hang off the 8V rail.

Fraser

--- In Lowe_Receivers@yahoogroups.com, "davelimmer@..." <davelimmer@...> wrote:
>
>
> Hi Fraser,
>
> Many thanks for taking the time to reply, and for the useful pointers. I'm relieved it's not likely to be CPU-related - bog standard fault-finding I can handle! I was hoping to have some time to spare this weekend to look into it, but I'm afraid I have to work instead. I'll certainly keep you informed when I get a spare few hours to fire up the soldering iron and break out the multimeter.
>
> Thanks again,
>
> Dave
>

447. Frequency readout HF225

Yahoo group: Lowe_Receivers
Date: 2011-05-24 00:26:08 UTC
From: Dave
Topic: 447 Message: 447

Hi gang,

I hooked up a frequency counter tonight to the LO test point in my HF225, hoping to get more than three decimal places in a frequency readout. I was disappointed - the LO only shifts in 1kHz increments (obvious really).

I am going to scour the service manual again, but there must be some way of getting a better frequency resolution out of the '225... or is there?

any thoughts?
David.

--
http://nwmonitor.blogspot.com/

448. Re: Frequency readout HF225

Yahoo group: Lowe_Receivers
Date: 2011-05-27 11:49:07 UTC
From: Steve
Topic: 447 Message: 448

Hi David

In order to get the 'fine tuning' between the 1 kHz steps I guess you would also need to either measure the pulled crystal oscillator frequency directly, or look at the binary code which is being used to pull it (accessible in parallel form). You would then need some electronics to combine the coarse and fine parts to get the overall frequency. Not that easy !

Cheers
Steve
M0STC

449. Re: [Lowe_Receivers] Re: Frequency readout HF225

Yahoo group: Lowe_Receivers
Date: 2011-05-27 12:11:27 UTC
From: nwmonitor@gmail.com
Topic: 447 Message: 449

Ah thanks. That's a shame :(

I will have to find another use for my FC.

David

Sent from my BlackBerry® wireless device

-----Original Message-----
From: "Steve" <sonatine123@yahoo.co.uk>
Sender: Lowe_Receivers@yahoogroups.com
Date: Fri, 27 May 2011 11:49:07
To: <Lowe_Receivers@yahoogroups.com>
Reply-To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Re: Frequency readout HF225

Hi David

In order to get the 'fine tuning' between the 1 kHz steps I guess you would also need to either measure the pulled crystal oscillator frequency directly, or look at the binary code which is being used to pull it (accessible in parallel form). You would then need some electronics to combine the coarse and fine parts to get the overall frequency. Not that easy !

Cheers
Steve
M0STC

Yahoo! Groups Links

450. Re: Lowe RF-350 or Palstar R-30 Schematic Needed

Yahoo group: Lowe_Receivers
Date: 2011-05-28 17:25:49 UTC
From: maxyhopy
Topic: 450 Message: 450

I need to repair my radio and need the schematic for my Palstar R-30 which is supposed to be the same as a Lowe RF-350. It is hard to believe that the schematic is such a secret and impossible to find. If anyone has any leads or info it would be greatly appreciated.

451. Re: Lowe RF-350 or Palstar R-30 Schematic Needed

Yahoo group: Lowe_Receivers
Date: 2011-05-28 20:48:12 UTC
From: Fraser
Topic: 450 Message: 451

--- In Lowe_Receivers@yahoogroups.com, "maxyhopy" <fsphotos@...> wrote:
>
> I need to repair my radio and need the schematic for my Palstar R-30 which is supposed to be the same as a Lowe RF-350. It is hard to believe that the schematic is such a secret and impossible to find. If anyone has any leads or info it would be greatly appreciated.
>

To the best of my knowledge only the block diagram is in the public domain. Have you tried talking with Palstar ? They are usually a pretty friendly company to deal with.

Fraser

452. Re: Lowe RF-350 or Palstar R-30 Schematic Needed

Yahoo group: Lowe_Receivers
Date: 2011-05-29 13:36:25 UTC
From: driftermick
Topic: 450 Message: 452

--- In Lowe_Receivers@yahoogroups.com, "Fraser " <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "maxyhopy" <fsphotos@> wrote:
> >
> > I need to repair my radio and need the schematic for my Palstar R-30 which is supposed to be the same as a Lowe RF-350. It is hard to believe that the schematic is such a secret and impossible to find. If anyone has any leads or info it would be greatly appreciated.
> >
>
> To the best of my knowledge only the block diagram is in the public domain. Have you tried talking with Palstar ? They are usually a pretty friendly company to deal with.
>
> Fraser
>

Max.

Fraser is right, Paul at Palstar is a great guy. But, the schematic was never released. There is a Palstar yahoo group, and this topic comes up now and then. And, yes, the RF-350 is the R30. Good luck.

Drifter...

453. Re: [Lowe_Receivers] Frequency readout HF225

Yahoo group: Lowe_Receivers
Date: 2011-05-31 03:39:30 UTC
From: crabtreejr@aol.com
Topic: 447 Message: 453

HelloDavid

This is not easy to do. There are several ways in which it could be done:

1. Pick up the serial data going to the 2nd Local Oscilaltor, decode it, and have a separate display.

2. Pick up the outputs of the data latches for the 2nd Local Oscillator, decode it and display it.

3. Tap the 2nd local oscilaltor output, buffering it if necessary, and use that to feed an external frequency counter module.

4. Re-engineer the microprocessor code to put 5 digits on the display. This was done by an Austrian ham for the HF-150. Unfortunately it seems that he can no longer be contacted.

5. Carve up the display board to get 5 digits, and install additional decoding the the last digit.

I do not advocate any of these approaches. All have issues. Option 5 occured to me late this evening.

HTH and 73

John KC0G

In a message dated 5/23/2011 7:26:37 PM Central Daylight Time, nwmonitor@... writes:
> Hi gang,
>
> I hooked up a frequency counter tonight to the LO test point in my HF225,
> hoping to get more than three decimal places in a frequency readout. I was
> disappointed - the LO only shifts in 1kHz increments (obvious really).
>
> I am going to scour the service manual again, but there must be some way
> of getting a better frequency resolution out of the '225... or is there?
>
> any thoughts?
> David.
>

454. WANTED: SP150

Yahoo group: Lowe_Receivers
Date: 2011-06-02 14:51:17 UTC
From: DanielD
Topic: 454 Message: 454

Hello,

to complete my Lowe collection and fill up my RK-150 Rack, I'm looking for a SP-150 in good condition. Anyone interested in selling or knows someone who sells one of these units, please send me a mail:

daniel at dibbets dot de

Thanks!

Daniel

455. Lowe HF-150 receiver Wanted

Yahoo group: Lowe_Receivers
Date: 2011-06-10 19:24:32 UTC
From: enriqueeeeee2001
Topic: 455 Message: 455

Hello,

I am interested in buying a Lowe hf-150 receiver in good working condition with no scratches, dents,..... It would be nice that it has the backlit modification or similar.

I do not need either the power supply or the keypad.

Thank you

mail: enriqueeeeee2001@...

456. OT: Telefunkun E1800

Yahoo group: Lowe_Receivers
Date: 2011-06-20 07:07:35 UTC
From: a aa
Topic: 456 Message: 456

Have a look at this:

http://cgi.ebay.ie/ws/eBayISAPI.dll?ViewItem&item=170648529505

457. Displayfrequency tuning

Yahoo group: Lowe_Receivers
Date: 2011-07-04 20:04:13 UTC
From: wslowehf225
Topic: 457 Message: 457

I own a HF150 from SMC (South Midland Communication),the black one.

I don't know if the next is a real problem..?

I listen often to AERO-freq's,by exsample 11.300 kHz Tripoli(USB).
When i tune that frequency,i have to tune in 11.299 in stead of 11.300 to hear the voices naturally.
This happens to ALL SSB frequency's,all so by Ham-freq's.
I always have to tune in 1 kHz down from the originally freq.
Is there a simple solution to trim the freq. 1 kHz up?
I found info on this site to make backlit,nice!
Is ther also a mod to tune faster in SSB?I have to turn almost twice to go 1 kHz up,pffff.
Use my keypad very intensive now,it's not pleasant at all.

For the rest:the hf150 is an amazing good receiver,audio is superb!

Greetz,swl64

458. Lowe HF-150 SL6440 failure

Yahoo group: Lowe_Receivers
Date: 2011-07-15 23:26:38 UTC
From: enriqueeeeee2001
Topic: 458 Message: 458

Hello group,

I have just purchased a second hand Lowe HF-150, but I suspect that it has some failure in sensivity and noise floor. I have decided to replace the J310 Fet and the SL6440CDP integrated circuit.

Please, if anyone know of an European source (shop) or somebody that might be interested in selling one, mail me off list.

Thank you very much.

Mail: enriqueeeeee2001@...

459. Re: Lowe HF-150 SL6440 failure

Yahoo group: Lowe_Receivers
Date: 2011-07-15 23:33:34 UTC
From: Fraser
Topic: 458 Message: 459

--- In Lowe_Receivers@yahoogroups.com, "enriqueeeeee2001" <enriqueeeeee2001@...> wrote:
>
>
> Hello group,
>
> I have just purchased a second hand Lowe HF-150, but I suspect that it has some failure in sensivity and noise floor. I have decided to replace the J310 Fet and the SL6440CDP integrated circuit.
>
> Please, if anyone know of an European source (shop) or somebody that might be interested in selling one, mail me off list.
>
> Thank you very much.
>
> Mail: enriqueeeeee2001@...
>

JAB Electronics has plenty available:

http://www.jabdog.com/semi-lin6.htm

Fraser

460. Re: SMC HF-150M For Sale

Yahoo group: Lowe_Receivers
Date: 2011-07-16 20:17:52 UTC
From: wslowehf225
Topic: 439 Message: 460

Hi Ian,read your message,i own a SMC HF150 since 2 weeks now.
What do you mean with phantom power supply??and jumper??

Greetz,William

--- In Lowe_Receivers@yahoogroups.com, "g1drp" <i.m.hand@...> wrote:
>
> Hi everybody. I have a black SMC version for sale in good cosmetic condition and 100% working.
> Comes with original instruction manual.
> £80 including postage. Paypal gift or + 4%
> This is the radio only no psu or keypad. It has the phantom power supply fitted but it is switched off at the moment. You have to remove the bottom panel and move a jumper over to connect it.
> 73,
> Ian G1DRP
>

461. Re: SMC HF-150M For Sale

Yahoo group: Lowe_Receivers
Date: 2011-07-18 23:50:34 UTC
From: Fraser
Topic: 439 Message: 461

--- In Lowe_Receivers@yahoogroups.com, "wslowehf225" <swl64@...> wrote:
>
> Hi Ian,read your message,i own a SMC HF150 since 2 weeks now.
> What do you mean with phantom power supply??and jumper??
>
> Greetz,William
>
Snip

William,

The Marine versions of the HF-150 have the ability to power an active whip aerial, the AA-150, via the coaxial cable. To do so, a BIAS 'T' (power inserter)is used. This circuit injects DC 12V onto the coaxial innner core via an inductor and protects the receiver with a series capacitor. This method of supplying power via a coax is also known as a 'Phantom power supply'.

The Lowe HF-150M and SMC HF-150M both have the BIAS 'T' circuit added to the bottom of the receiver Main PCB, adjacent to the Aerial socket. A series current protector is used to protect against short circuits and the power insertion is enabled by linking two pins with a 0.1" jumper link. The link is required as some users would not wish to have 12V present on the aerial coax inner core.

The phantom power supply is capable of powereing many active aerials that can take their power from the coax rather than via an external power supply. They must be capable of running on 12V though. I have used the AA-150 and the Datong AD270/370 in this way with good results.

More information, including the circuit of the Bias 'T' is in this Groups Photo section.

462. LOWE hf250E use with Transmitter

Yahoo group: Lowe_Receivers
Date: 2011-07-24 11:04:28 UTC
From: Stephen
Topic: 462 Message: 462

Hi all, I am seeking knowledge.

For a bit of experimentation in the shack I have been trying to use my Lowe HF250E combined with a transmitter.

The arrangement uses the same antenna for tx/rx. On PPT a relay is flipped to switch the antenna from the Lowe to the transmitter, another relay contact mutes the receiver and yet another contact grounds the Receiver antenna input.

Although this so far works (and peer opinion is that it is safe for the receiver), the Lowe front end does seem to overload hard and takes a moment or two before audio fully recover after transmit. This means I have lost the first part of someone's transmission in a QSO.

As a solution I have been manually pressing the MHZ down button on the lowe when I transmit and returning it back on frequency upon receive and this eliminates the blocking delay.

As a future project I am wanting to add Mode and Frequency tracking between the transmitter and the hf250 via the data control ports and a 'black box' or PC. I am thinking I could make the Lowe switch receive frequency automatically upon transmit and back again. But this is just speculation and fantasy at moment.

I am wondering if anyone else here uses the receiver in combination with a TX, and what are you experiences solutions and suggestions. Is there a known method to stop the front end blocking delay (if that even is what is happening) when there is a strong nearby signal source on the same frequency.

Please educate me folks...

cheers Stephen

463. Re: [Lowe_Receivers] LOWE hf250E use with Transmitter

Yahoo group: Lowe_Receivers
Date: 2011-07-24 11:23:06 UTC
From: Fraser Castle
Topic: 462 Message: 463

Stephen,

Suspect the AGC is ramping up the sensitivity due to no-signal condition during transmit. AGC timing could be modified for manual setting or just a faster response time.

Relay switching to protect receiver front ends is OK provided the receiver input relay acts before RF is transmitted and after Rf transmission has ceased. If not, there is the unpleasant prospect of a fried front end. This could also cause strange effects like those you mention.

Fraser

----- Original Message -----
From: Stephen
To: Lowe_Receivers@yahoogroups.com
Sent: Sunday, July 24, 2011 12:04 PM
Subject: [Lowe_Receivers] LOWE hf250E use with Transmitter

Hi all, I am seeking knowledge.

For a bit of experimentation in the shack I have been trying to use my Lowe HF250E combined with a transmitter.

The arrangement uses the same antenna for tx/rx. On PPT a relay is flipped to switch the antenna from the Lowe to the transmitter, another relay contact mutes the receiver and yet another contact grounds the Receiver antenna input.

Although this so far works (and peer opinion is that it is safe for the receiver), the Lowe front end does seem to overload hard and takes a moment or two before audio fully recover after transmit. This means I have lost the first part of someone's transmission in a QSO.

As a solution I have been manually pressing the MHZ down button on the lowe when I transmit and returning it back on frequency upon receive and this eliminates the blocking delay.

As a future project I am wanting to add Mode and Frequency tracking between the transmitter and the hf250 via the data control ports and a 'black box' or PC. I am thinking I could make the Lowe switch receive frequency automatically upon transmit and back again. But this is just speculation and fantasy at moment.

I am wondering if anyone else here uses the receiver in combination with a TX, and what are you experiences solutions and suggestions. Is there a known method to stop the front end blocking delay (if that even is what is happening) when there is a strong nearby signal source on the same frequency.

Please educate me folks...

cheers Stephen

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1390 / Virus Database: 1518/3785 - Release Date: 07/24/11

464. Re: LOWE hf250E use with Transmitter

Yahoo group: Lowe_Receivers
Date: 2011-07-24 14:49:19 UTC
From: Stephen
Topic: 462 Message: 464

Fraser,

thank you for a prompt reply. Modification of the AGC timing would require component mod or something else? I need a bit of clarification or pointing in right direction there.

In regard to the relay switching, as far as I can see, there is no direct method (no physical electrical contact) for the RF to enter the receiver. The Antenna is on the wiper arm of the relay contact, the relay is normally closed on the receiver side when the coil isn't energised. Any delay between TX and relay switch over would result in the transmitter having no path to the receiver or the antenna i.e transmitting without antenna attached. A perceived delay there is so small not to have any concern of damaging the finals of the transmitter. These concerns may be mute as the drive for all this is taken from the transmitters control line for switching of an external linear amplifier so possible the circuit is already catering for relay timing delays before transmit.

Only concerns I have would be from physical component failure like loose conductive debris in the relay or carbon tracking/arcing. high quality and suitable rated relays having been used to reduce this.

Stephen

--- In Lowe_Receivers@yahoogroups.com, "Fraser Castle" <fraser.castle@...> wrote:
>
> Stephen,
>
> Suspect the AGC is ramping up the sensitivity due to no-signal condition during transmit. AGC timing could be modified for manual setting or just a faster response time.
>
> Relay switching to protect receiver front ends is OK provided the receiver input relay acts before RF is transmitted and after Rf transmission has ceased. If not, there is the unpleasant prospect of a fried front end. This could also cause strange effects like those you mention.
>
> Fraser

465. Re: LOWE hf250E use with Transmitter

Yahoo group: Lowe_Receivers
Date: 2011-07-24 21:18:44 UTC
From: Fraser
Topic: 462 Message: 465

--- In Lowe_Receivers@yahoogroups.com, "Stephen" <stonefisk@...> wrote:
>
> Fraser,
>
> thank you for a prompt reply. Modification of the AGC timing would require component mod or something else? I need a bit of clarification or pointing in right direction there.
>
> In regard to the relay switching, as far as I can see, there is no direct method (no physical electrical contact) for the RF to enter the receiver. The Antenna is on the wiper arm of the relay contact, the relay is normally closed on the receiver side when the coil isn't energised. Any delay between TX and relay switch over would result in the transmitter having no path to the receiver or the antenna i.e transmitting without antenna attached. A perceived delay there is so small not to have any concern of damaging the finals of the transmitter. These concerns may be mute as the drive for all this is taken from the transmitters control line for switching of an external linear amplifier so possible the circuit is already catering for relay timing delays before transmit.
>
> Only concerns I have would be from physical component failure like loose conductive debris in the relay or carbon tracking/arcing. high quality and suitable rated relays having been used to reduce this.
>
> Stephen

SNIP

You are totally correct.... I've been used to preamplifer RF bypass switching which is a totally different scenario to yours. I was too quick in my respose. Oooops. I'll go back to sleep now ;-)

466. Re: LOWE hf250E use with Transmitter

Yahoo group: Lowe_Receivers
Date: 2011-07-24 21:57:43 UTC
From: ianmotty
Topic: 462 Message: 466

Hi Stephen,

I used my HF250 with a homebrew 80m CW transmitter and found the same result as you.Not sure if I tried the mute line on the HF250 though, did you? In the end I used a homebrew RX too so not much help really, sorry :-)

Regards
Ian

--- In Lowe_Receivers@yahoogroups.com, "Fraser " <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "Stephen" <stonefisk@> wrote:
> >
> > Fraser,
> >
> > thank you for a prompt reply. Modification of the AGC timing would require component mod or something else? I need a bit of clarification or pointing in right direction there.
> >
> > In regard to the relay switching, as far as I can see, there is no direct method (no physical electrical contact) for the RF to enter the receiver. The Antenna is on the wiper arm of the relay contact, the relay is normally closed on the receiver side when the coil isn't energised. Any delay between TX and relay switch over would result in the transmitter having no path to the receiver or the antenna i.e transmitting without antenna attached. A perceived delay there is so small not to have any concern of damaging the finals of the transmitter. These concerns may be mute as the drive for all this is taken from the transmitters control line for switching of an external linear amplifier so possible the circuit is already catering for relay timing delays before transmit.
> >
> > Only concerns I have would be from physical component failure like loose conductive debris in the relay or carbon tracking/arcing. high quality and suitable rated relays having been used to reduce this.
> >
> > Stephen
>
> SNIP
>
> You are totally correct.... I've been used to preamplifer RF bypass switching which is a totally different scenario to yours. I was too quick in my respose. Oooops. I'll go back to sleep now ;-)
>

467. Re: LOWE hf250E use with Transmitter

Yahoo group: Lowe_Receivers
Date: 2011-07-25 10:32:12 UTC
From: Stephen
Topic: 462 Message: 467

Hi Ian,
yeah the mute facility is been used. I haven't studied the circuit diagram but I believe it is purely muting the AF amplifier.
cheers Stephen

--- In Lowe_Receivers@yahoogroups.com, "ianmotty" <idmottishaw@...> wrote:
>
> Hi Stephen,
>
> I used my HF250 with a homebrew 80m CW transmitter and found the same result as you.Not sure if I tried the mute line on the HF250 though, did you? In the end I used a homebrew RX too so not much help really, sorry :-)
>
> Regards
> Ian
>

468. Zycomm HF7070

Yahoo group: Lowe_Receivers
Date: 2011-07-27 10:26:05 UTC
From: crabtreejr@aol.com
Topic: 468 Message: 468

There has been a long awaited successor to the AOR AR7030, ie the AR7070. With the closing of AOR UK, there has been some speculation as to who might build it.

N9EWO has an update from Colin Horrabin, G3SBI, at:
http://n9ewo.angelfire.com/
http://n9ewo.angelfire.com/hf7070.html
And so it seems that this receiver will finally see the light of day as the HF7070 under the Zycomm name.

Zycomm bought Lowe Electronics from Bill Lowe in ca. 1992. The two partners, Ian Sneap and Richard McLachlan later went their separate ways. Ian Sneap is still the owner and chairman of Zycomm. He had wanted to stay in the receiver business. and now some 15 years later, it seems that he is getting back into it.

73 John KC0G

469. HF-125 Spares/Alps encoders for sale.

Yahoo group: Lowe_Receivers
Date: 2011-08-10 13:04:32 UTC
From: davelimmer@rocketmail.com
Topic: 469 Message: 469

Hi all, I have the following for sale, which may be of interest to HF-125 owners - please bear in mind, though, these are untested. They were removed from a very sad HF-125 which appeared to have been "repaired" with a gas-heated soldering iron, and while they look ok, I can offer no guarantees:

1 x D-125 Sync Detector/FM board £10 inc postage to UK
1 x K-125 keypad interface (1 PCB pad lifted due to heat) £5 inc postage to UK

And of more general interest, I have 2 of the original Alps mechanical encoders for sale, as I've upgraded both my HF-225s to optical devices - again, no guarantees, but were working perfectly before removal.
£7.50 each inc postage to UK.

If anyone is interested, please contact me off-list. Paypal accepted.

Thanks,

Dave

470. Re: HF-125 Spares/Alps encoders for sale.

Yahoo group: Lowe_Receivers
Date: 2011-08-10 18:27:52 UTC
From: davelimmer@rocketmail.com
Topic: 469 Message: 470

Quick follow-up - the spares are now sold.

Dave

471. Lowe HF-150 Front end diodes

Yahoo group: Lowe_Receivers
Date: 2011-08-13 18:22:19 UTC
From: enriqueeeeee2001
Topic: 471 Message: 471

Hi all,

Recently I have replaced a J310 Fet (Q10) from a Lowe HF-150 receiver,firstly I suspected that the IC SL6440C was the problem but I checked the voltages and everything was fine.

In order that this do not happen again I would like to put front end diodes from being damaged by static electricity. I would be very grateful if somebody could tell what kind of diodes are.Maybe the 1n4148?

I am using the Lowe with a Wellbrook 330S antenna, I have a lot of intermodulations when whip and norm modes. On the att position things are better but not enough, I have been thinking in adding a preselector
,a grove or a Yaesu 7700, but I do not know if that will work.
Quite sure that a passive antenna, whip or dipole, would be the right
election since I would like to go outdoors with the Lowe.
Any comment or suggestion are wellcomed.

Any thoughts and advice would be greatly appreciated.

Thank you

472. on/off/volume potmeter hf150

Yahoo group: Lowe_Receivers
Date: 2011-08-19 06:24:10 UTC
From: wslowehf225
Topic: 472 Message: 472

Can anyone tell me where i can buy a new on/off/volume-potmeter for the Lowe HF150,or does anyone have one on stock at home??
Mine has crashed,so the volume doesn't work anymore.
I contacted Lowe-UK(Savox),but none on stock :-(

Greetz,William

473. Re: on/off/volume potmeter hf150

Yahoo group: Lowe_Receivers
Date: 2011-08-19 08:01:09 UTC
From: Fraser
Topic: 472 Message: 473

--- In Lowe_Receivers@yahoogroups.com, "wslowehf225" <swl64@...> wrote:
>
> Can anyone tell me where i can buy a new on/off/volume-potmeter for the Lowe HF150,or does anyone have one on stock at home??
> Mine has crashed,so the volume doesn't work anymore.
> I contacted Lowe-UK(Savox),but none on stock :-(
>
> Greetz,William
>

Hi William,

Yes I have new stock of the OEM Lowe HF-150 volume + on/off pot. There will be a small charge for the part plus postage to your address. Please PM me your email address and we can discuss your address etc.

Regards

Fraser

474. Welbrook loops with the HF225?

Yahoo group: Lowe_Receivers
Date: 2011-08-20 15:07:39 UTC
From: Mike
Topic: 474 Message: 474

Will high performance SW loop antennas, such as the welbrook, overload the HF225?

I think the 225 could handle a good strong signal without overloading, but I wanted to check here to see what you guys think about such an antenna for general coverage SW on the HF 225?

Thanks.

475. Re: [Lowe_Receivers] Welbrook loops with the HF225?

Yahoo group: Lowe_Receivers
Date: 2011-08-20 18:11:43 UTC
From: Mike L
Topic: 474 Message: 475

On 20/08/2011 15:07, Mike wrote:
> Will high performance SW loop antennas, such as the welbrook, overload the HF225?
>
> I think the 225 could handle a good strong signal without overloading, but I wanted to
> check here to see what you guys think about such an antenna for general coverage SW on
> the HF 225?

Hi Mike,
Been using my 225 with a Welbrook for at least 6 years no problems at all.
In fact the Welbrook is better at pulling in weak sigs than any of my long wires or Verticals.

Mike L

476. Re: Welbrook loops with the HF225?

Yahoo group: Lowe_Receivers
Date: 2011-08-20 21:28:13 UTC
From: Mike
Topic: 474 Message: 476

Sounds good! I noticed someone with HF150 posted here the Wellbrook was too much antenna, good to learn it does nicely with a 225!

477. RE: [Lowe_Receivers] Re: Welbrook loops with the HF225?

Yahoo group: Lowe_Receivers
Date: 2011-08-20 21:33:36 UTC
From: Robert Allen
Topic: 474 Message: 477

Technically I think it's more that the HF150 is too little radio rather than the Welbrook too much antenna. The 150 is well known as not having front end filtering. Which is probably why they released the preselector.

Robert

-----Original Message-----
From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of Mike
Sent: Saturday, August 20, 2011 2:28 PM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Re: Welbrook loops with the HF225?

Sounds good! I noticed someone with HF150 posted here the Wellbrook was too much antenna, good to learn it does nicely with a 225!

_____ Information from ESET NOD32 Antivirus, version of virus signature database 6396 (20110820) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

478. Re: Welbrook loops with the HF225?

Yahoo group: Lowe_Receivers
Date: 2011-08-21 02:51:20 UTC
From: Mike
Topic: 474 Message: 478

Yep, the guy I mentioned with the HF150 complaining of results using the Welbrook antenna (over at SHORTWAVE-SWL-ANTENNAS) did not have the preselector PF150.

480. Re: [Lowe_Receivers] Lowe spare parts list - any interest ?

Yahoo group: Lowe_Receivers
Date: 2011-08-21 13:48:20 UTC
From: a aa
Topic: 479 Message: 480

Hello Fraser,

Yes please, this would be very helpful.

Regards,
Akhil
On 21 August 2011 09:46, Fraser <fraser.castle@...> wrote:
>
>
> As a collector and repairer of Lowe receivers, I have quite an inventory of NOS spares parts, mainly for the HF-150 but many parts are common to other Lowe receivers.
>
> Is there any interest in my publishing a list of available spare parts from my inventory, as a service to the Lowe community ? If there is, I will compile such a list and place it in the files area.
>
> I am willing to support the needs of Lowe users with regard to parts, but I cannot afford to be a charity and so sell parts at resonable prices, rather than gift them. Prices would be agreed at the time of purchase. I am bot a business so this would be purely a hobby service.
>
> Regards
>
> Fraser
> Group Owner
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

481. Lowe Spare parts list. - Any interest ?

Yahoo group: Lowe_Receivers
Date: 2011-08-21 13:51:06 UTC
From: Fraser
Topic: 481 Message: 481

As a collector and repairer of Lowe receivers, I have quite an inventory of NOS spares parts, mainly for the HF-150, but many parts are common to other Lowe receivers.

Is there any interest in my publishing a list of available spare parts from my inventory, as a service to the Lowe community ? If there is, I will compile such a list and place it in the files area.

I am willing to support the needs of Lowe users with regard to parts, but I cannot afford to be a charity and so sell parts at reasonable prices, rather than gift them. Prices would be agreed at the time of purchase. I am not a business, so this would be purely a hobby service.
I would be willing to ship overseas from the UK, but payment must be by PayPal.

Regards

Fraser
Group Owner

482. Re: Lowe Spare parts list. - Any interest ?

Yahoo group: Lowe_Receivers
Date: 2011-08-22 09:26:54 UTC
From: johnbg8jmb
Topic: 481 Message: 482

YES PLEASE - AND THE POSTAGE, IF POSSIBLE
73
JOHNB

--- In Lowe_Receivers@yahoogroups.com, "Fraser " <fraser.castle@...> wrote:
>
> As a collector and repairer of Lowe receivers, I have quite an inventory of NOS spares parts, mainly for the HF-150, but many parts are common to other Lowe receivers.
>
> Is there any interest in my publishing a list of available spare parts from my inventory, as a service to the Lowe community ? If there is, I will compile such a list and place it in the files area.
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> I would be willing to ship overseas from the UK, but payment must be by PayPal.
>
> Regards
>
> Fraser
> Group Owner
>

483. Re: Lowe Spare parts list. - Any interest ?

Yahoo group: Lowe_Receivers
Date: 2011-08-22 17:09:08 UTC
From: satellitboy
Topic: 481 Message: 483

I am interested as well!
I have both a HF-225 and a HF-225 Europe for which it might be useful to have some unique parts available.

Regards, Tom PA2TSL

--- In Lowe_Receivers@yahoogroups.com, "johnbg8jmb" <jbutton@...> wrote:
>
> YES PLEASE - AND THE POSTAGE, IF POSSIBLE
> 73
> JOHNB
>
> --- In Lowe_Receivers@yahoogroups.com, "Fraser " <fraser.castle@> wrote:
> >
> > As a collector and repairer of Lowe receivers, I have quite an inventory of NOS spares parts, mainly for the HF-150, but many parts are common to other Lowe receivers.
> >
> > Is there any interest in my publishing a list of available spare parts from my inventory, as a service to the Lowe community ? If there is, I will compile such a list and place it in the files area.
> >
> > I am willing to support the needs of Lowe users with regard to parts, but I cannot afford to be a charity and so sell parts at reasonable prices, rather than gift them. Prices would be agreed at the time of purchase. I am not a business, so this would be purely a hobby service.
> > I would be willing to ship overseas from the UK, but payment must be by PayPal.
> >
> > Regards
> >
> > Fraser
> > Group Owner
> >
>

484. Re: [Lowe_Receivers] Lowe spare parts list - any interest ?

Yahoo group: Lowe_Receivers
Date: 2011-08-22 19:31:06 UTC
From: Mike L
Topic: 484 Message: 484

On 21/08/2011 13:46, Fraser wrote:
>
>
> As a collector and repairer of Lowe receivers, I have quite an inventory of NOS spares
> parts, mainly for the HF-150 but many parts are common to other Lowe receivers.
>
> Is there any interest in my publishing a list of available spare parts from my
> inventory, as a service to the Lowe community ? If there is, I will compile such a list
> and place it in the files area.
>
> I am willing to support the needs of Lowe users with regard to parts, but I cannot
> afford to be a charity and so sell parts at resonable prices, rather than gift them.
> Prices would be agreed at the time of purchase. I am bot a business so this would be
> purely a hobby service.

Fraser,
Such a list would be welcome even for those of us without any immediate requirement.
Just knowing what could be available when/if the need arises is valuable information.

Mike L

485. Re: Lowe spare parts list - any interest ?

Yahoo group: Lowe_Receivers
Date: 2011-08-22 21:35:02 UTC
From: Fraser
Topic: 484 Message: 485

> Fraser,
> Such a list would be welcome even for those of us without any immediate requirement.
> Just knowing what could be available when/if the need arises is valuable information.
>
> Mike L
>

OK, I'm convinced.... I will compile a list of my Lowe spares holding so that members are aware of what I can provide in 'time of need' or just contingency.

Regards

Fraser

486. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2011-08-26 17:34:01 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 486

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /Lowe Spare Parts inventory/Spares Inventory - Aurora Communications.rtf
Uploaded by : frasercastle <fraser.castle@...>
Description :

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/Lowe%20Spare%20Parts%20inventory/Spares
%20Inventory%20-%20Aurora%20Communications.rtf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

frasercastle <fraser.castle@...>

487. Re: Lowe spare parts list - any interest ?

Yahoo group: Lowe_Receivers
Date: 2011-08-26 17:41:31 UTC
From: Fraser
Topic: 484 Message: 487

OK, the spare parts inventory is now available in the files area. This is most of my stock but there may be the odd additional part lurking around the spares bins. All parts are NOS (New Old Stock) unless you are advised otherwise at time of quotation.

Regards

Fraser
Group Owner

488. Re: [Lowe_Receivers] Re: Lowe spare parts list - any interest ?

Yahoo group: Lowe_Receivers
Date: 2011-08-27 00:30:28 UTC
From: a aa
Topic: 484 Message: 488

Hi Fraser,

Do you have a parts list for the 225 also?

REgards,
Akhil

On 26 August 2011 13:41, Fraser <fraser.castle@...> wrote:
>
> OK, the spare parts inventory is now available in the files area. This is most of my stock but there may be the odd additional part lurking around the spares bins. All parts are NOS (New Old Stock) unless you are advised otherwise at time of quotation.
>
> Regards
>
> Fraser
> Group Owner
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

489. Re: Lowe spare parts list - any interest ?

Yahoo group: Lowe_Receivers
Date: 2011-08-27 10:52:47 UTC
From: Fraser
Topic: 484 Message: 489

--- In Lowe_Receivers@yahoogroups.com, a aa <classwp@...> wrote:
>
> Hi Fraser,
>
> Do you have a parts list for the 225 also?
>
> REgards,
> Akhil

Hi Akhil,

I tend to specialise in the HF-150 where spares are concerned. The HF-225 and HF-250 do use some parts that are found in the HF-150 so it is worth taking a look at the parts lists and camparing parts.

I will produce a list of parts that I know are used in the HF-225 and HF-250 as soon as time permits. It is also worth noting that my stock of Transflective LCD displays for the HF-150E will work in the HF-125, HF-225 and the HF-150. Without a backlight they display black digits on a silver grey background. With a backlight you get black digits on whatever colour illumination you decide to use. These would produce an HF-225 display that is black digits on a green/yellow background and may be easier to read for some.

Regards

Fraser

490. Re: Lowe spare parts list - any interest ?

Yahoo group: Lowe_Receivers
Date: 2011-09-02 23:15:59 UTC
From: Fraser
Topic: 484 Message: 490

--- In Lowe_Receivers@yahoogroups.com, "Fraser " <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, a aa <classwp@> wrote:
> >
> > Hi Fraser,
> >
> > Do you have a parts list for the 225 also?
> >
> > REgards,
> > Akhil
>
>
> Hi Akhil,
>
> I tend to specialise in the HF-150 where spares are concerned. The HF-225 and HF-250 do use some parts that are found in the HF-150 so it is worth taking a look at the parts lists and camparing parts.
>
> I will produce a list of parts that I know are used in the HF-225 and HF-250 as soon as time permits. It is also worth noting that my stock of Transflective LCD displays for the HF-150E will work in the HF-125, HF-225 and the HF-150. Without a backlight they display black digits on a silver grey background. With a backlight you get black digits on whatever colour illumination you decide to use. These would produce an HF-225 display that is black digits on a green/yellow background and may be easier to read for some.
>
> Regards
>
> Fraser
>

Please Note that the full allocation of LCD displays and tuning encoders have now been sold. I have held back limited stock for repairs however.

Fraser

491. Re: Lowe Spare parts list. - Any interest ?

Yahoo group: Lowe_Receivers
Date: 2011-09-13 13:55:16 UTC
From: Mike
Topic: 481 Message: 491

I am very interested!

492. FS: HF-150

Yahoo group: Lowe_Receivers
Date: 2011-09-13 22:00:36 UTC
From: cdorn@telusplanet.net
Topic: 492 Message: 492

Hello all,

I have an HF-150 up for grabs. Radio is not a museum piece, and has a couple cosmetic marks. Overall very good to excellent condition. Comes with the keypad, power supply, operators and service manuals. This unit has had backlight and audio mods performed. Asking $400USD. I am located in Canada, and freight will vary on destination.

Thanks,
Chris VE6IY

493. super rare HF-235 for sale

Yahoo group: Lowe_Receivers
Date: 2011-09-19 01:19:31 UTC
From: mikey
Topic: 493 Message: 493

```
I have the rare HF-235 for sale
only 100 were made I believe.
contact me direct for price and details.
```

494. Re: [Lowe_Receivers] super rare HF-235 for sale

Yahoo group: Lowe_Receivers
Date: 2011-09-19 01:22:39 UTC
From: Robert Allen
Topic: 493 Message: 494

Is this different from the regular HF-235?

> -------Original Message-------
> From: mikey <mikemaghakian@...>

>
> I have the rare HF-235 for sale
> only 100 were made I believe.
> contact me direct for price and details.

495. Re: super rare HF-235 for sale

Yahoo group: Lowe_Receivers
Date: 2011-09-19 16:35:45 UTC
From: mikey
Topic: 493 Message: 495

mine is the rack mount version (pic on this site:
http://radiopics.com/Lowe/Lowe_HF-235.htm)

more info is here: http://www.universal-radio.com/catalog/commrxvr/hf235.html

as I said only 100 were made so it is extremely rare

last one that sold that I am aware of sold for $1200

--- In Lowe_Receivers@yahoogroups.com, "Robert Allen" <rallen@...> wrote:
>
> Is this different from the regular HF-235?
>
>
> > -------Original Message-------
> > From: mikey <mikemaghakian@...>
>
> >
> > I have the rare HF-235 for sale
> > only 100 were made I believe.
> > contact me direct for price and details.
>

496. srx 30d

Yahoo group: Lowe_Receivers
Date: 2011-09-28 19:43:05 UTC
From: ray23.t21@btinternet.com
Topic: 496 Message: 496

Hi all just bought my first rig and was wondering is there a nod for antenna conection has i see it red is arial and black earth to ground
can i not adapt a fitting to tke a pl type socket

thanks

497. Re: srx 30d

Yahoo group: Lowe_Receivers
Date: 2011-10-02 03:02:11 UTC
From: Mike
Topic: 496 Message: 497

which rig is it?

498. Re: srx 30d

Yahoo group: Lowe_Receivers
Date: 2011-10-02 03:10:55 UTC
From: Mike
Topic: 496 Message: 498

Sorry, mate, I didn't see the thread title, my bad. The srx30d is supposed to have an SO-239 according to the spec sheet, and a PL-259 would just screw right on.

499. Re: srx 30d

Yahoo group: Lowe_Receivers
Date: 2011-10-02 03:12:54 UTC
From: Mike
Topic: 496 Message: 499

```
Lowe SRX-30D
Type: HF receiver
Frequency range: 0.5-30 MHz
Mode: AM/SSB
Sensitivity: N/A
Selectivity: N/A
Image rejection: N/A
Voltage: Mains
Current drain: ?
Impedance: Hi-Z or 50 ohms, SO-239
Dimensions (W*H*D): 335*160*270 mm
Weight: 5.5 Kg
Manufactured: Japan, 1980-1982
Other: Digital readout
Related documents:
```

500. Re: srx 30d

Yahoo group: Lowe_Receivers
Date: 2011-10-03 02:21:20 UTC
From: mikey
Topic: 496 Message: 500

pics:
http://radiopics.com/Lowe/Lowe_SRX30D.htm

--- In Lowe_Receivers@yahoogroups.com, "Mike" <mikemcco49@...> wrote:
>
> Lowe SRX-30D
> Type: HF receiver
> Frequency range: 0.5-30 MHz
> Mode: AM/SSB
> Sensitivity: N/A
> Selectivity: N/A
> Image rejection: N/A
> Voltage: Mains
> Current drain: ?
> Impedance: Hi-Z or 50 ohms, SO-239
> Dimensions (W*H*D): 335*160*270 mm
> Weight: 5.5 Kg
> Manufactured: Japan, 1980-1982
> Other: Digital readout
> Related documents:
>

501. HF-150 Europa

Yahoo group: Lowe_Receivers
Date: 2011-10-03 10:36:34 UTC
From: davelimmer@rocketmail.com
Topic: 501 Message: 501

Hello all,

I couldn't resist buying an example of this fairly rare receiver when it turned up on eBay recently. It's in very good condition, the only fault being a loss in sensitivity caused by a dirty aerial switch. So, while I had it disassembled for a squirt of Servisol, I took a few shots of the internals just in case anyone is interested in comparing it with a standard HF-150 - see "HF-150 Internals" in the photo albums.

Regards,

Dave

502. Lowe HF250 problems

Yahoo group: Lowe_Receivers
Date: 2011-10-03 19:17:15 UTC
From: John Rabson
Topic: 502 Message: 502

This receiver has suddenly developed some faults. I think The first step is to check the power rails and the various connectors, but I would like to know if anyone has met something similar.

1) The only modes in which it produces any audio output are straight AM and NFM. Anything requiring a BFO/CIO produces nothing (SSB or synchronous AM). Even on theAM setting, turning the volume up to a reasonable level produces motorboating.

2) The S meter readings are noticeably greater than previously.

3) The remote control no longer works. Yes, I have tried fitting new batteries.

4) From time to time, all 6 Mode lights come on.

John F5VLF

503. Re: srx 30d

Yahoo group: Lowe_Receivers
Date: 2011-10-04 17:16:57 UTC
From: ray23.t21@btinternet.com
Topic: 496 Message: 503

--- In Lowe_Receivers@yahoogroups.com, "Mike" <mikemcco49@...> wrote:
>
> Sorry, mate, I didn't see the thread title, my bad. The srx30d is supposed to have an SO-239 according to the spec sheet, and a PL-259 would just screw right on.
>

Yes in its place is a squelch nob but i carnt find what it does or if a mod has been fitted fm board or somthing on the band selector ther is another click one down but not a clue were it goes

cheers

504. Re: Lowe HF250 problems

Yahoo group: Lowe_Receivers
Date: 2011-10-06 18:13:08 UTC
From: drunkenstein30
Topic: 502 Message: 504

> 1) The only modes in which it produces any audio output are straight AM and NFM. Anything requiring a BFO/CIO produces nothing (SSB or synchronous AM). Even on theAM setting, turning the volume up to a reasonable level produces motorboating.

Faulty filter or cut in IF? Check soldering or faults near 2.2 / 4 / 7khz filters.
I made own fault when I modded my radio. I removed filters 4, 7 and soldered thin coax cable with Collins MF4, MF6. One coax made short circuit and radio was silent, only widest am work. Too much heat 8).

> 4) From time to time, all 6 Mode lights come on.

That's a normal, if I push wrong button with remote, all lights come on and nothing works. Sometimes only pushing power on, it do same.

BTW, lovely receiver. First one which syncro-am really works. I'm often use 4khz filter and lower/upper syncro. Original filter is much wider, this Collins MF4 works better.
There is no original filters anymore, my set is CFK455K13, Collins MF4, MF6, CFM455H.
This one beats IC-R75, AR7030 whose syncro is useless.

505. Re: LF: Lowe HF250 problems

Yahoo group: Lowe_Receivers
Date: 2011-10-07 14:36:34 UTC
From: John Rabson
Topic: 505 Message: 505

LF, Lowe group, Tracey, Alan, Robin,

That receiver is now operating correctly. Thank you very much for your help.

Nothing abnormal was found inside the box, but upon checking the DC supply to the receiver it turned out to be abnormally low and not too stable. This was traced to a faulty connector which had four diodes build in as a bridge rectifier to provide protection against reverse polarity. It appeared that one or more diodes had gone sour.

Looking at the circuit diagram I see that the HF250 has built-in protection so the diodes are not necessary. The connector was replaced with one that did not have diodes in, the voltage presented to the receiver is what it should be, and the stations I use as a reference (HGA, DCF and France Inter) now all have the expected readings on the S meter.

Again many thanks.

John F5VLF

On 2 Oct 2011, at 18:55CEST, John Rabson wrote:

> LF,
>
> This receiver has suddenly developed a couple of faults and I would like to know if anyone has met something similar.
>
> 1) The only modes in which it produces any audio output are straight AM and NFM. Anything requiring a BFO/CIO produces nothing (SSB or synchronous AM). Even on theAM setting, turning the volume up to a reasonable level produces motorboating.
>
> 2) The S meter readings are noticeably greater than previously.
>
> 3) The remote control no longer works. Yes, I have tried fitting new batteries.
>
> John F5VLF
>

506. OT - Clearout of excess radio kit

Yahoo group: Lowe_Receivers
Date: 2011-10-12 09:30:15 UTC
From: Fraser
Topic: 506 Message: 506

OFF TOPIC (but may be of interest to UK members)

I am clearing my excess inventory of radio kit and will be placing much of it on an auction site. Before I do so I thought I would make the clearout known to fellow members of this group so that they can have first refusal on anything of interest.

I may have to make a document listing the kit but for starters I can provide the following equipment details:

Icom R7000 - VHF/UHF Communication receiver - good working order nice condition.
Icom R100 - HF/VHF/UHF communications receiver - good working order, nice condition with professional SSB upgrade fitted (not a DIY upgrade)
Icom R1 - HF/VHF/UHF handheld receiver Good working order but requires new batteries
Icom M700 150W HF marine transceiver- good working order nice condition. I'll have to check but I think it's all frequencies (not banded)
Icom M600 HF marine 150W HF transceiver - good working order- used condition. I'll have to check but I think it's all frequencies (not banded).
AKD/Target HF3 - The model with audio out and additional memories etc.
AOR SDU5000 (not SDU5500) spectrum display unit for 10.7 MHZ IF receivers - lovely unit in great condition. Will control AR3000A and will work wth any receiver that provides a 10.7MHz I.F. output.
AOR AR3000A Superb HF/VHF/UHF communications receiver in great condition and with official AOR(UK) 10.7MHz I.F. output upgrade).
Yaesu FRG7700 - Nice HF receiver in good used condition.
Yaesu FRG7700 - with official upgrades to improve performance. (Not a DIY upgrade job) Good used condition.
Datong AD270 active dipole and pre-amplifier. Several available.
AEA PK232MBX Radio modem - great condition if you have a use for it.
Sinadder meter for Lowe receiver alignement - I have several in good used condition.
'Lowe' SRX50 - one for collectors. No Lowe label on front but I believe it is the same unit.

I MAY be persuaded to part with some of the following Lowe products:

HF-125
HF-150
HF-225
HF-250

The units will be in great condition and tested for proper operation.
The price would need to be realistic though.

In some cases I have more than one unit available. I have deliberately not provided prices because I have no intention of fleecing anyone and a mutually agreeable price may be reached once interested parties have seen photographs etc. This is not an aucton so I will NOT play one interested party off against another and if a price cannot be agreed upon, no worries, no harm done :-) I will test all kit before despatch and guarantee satisfaction,

if it's DOA or faulty on receipt, you get your money back. These units are 'of an age' and I am not a commercial company so please do not expect a warranty of any sort with a used unit. I don't think I can be fairer than that.

Overseas shipping can be a pain for heavy radio kit so I don't really want to get into that but will be happy to dscuss if someone Really wants a particular piece of kit.

Fraser

507. Re: OT - Clearout of excess radio kit

Yahoo group: Lowe_Receivers
Date: 2011-10-12 09:42:58 UTC
From: Fraser
Topic: 506 Message: 507

In addition to the equipment listed I also have waht I would describe a sprojects receivers....At least one Yaesu FRG7700 and several Trio Kenwood R1000 receivers. These range from working fine to working but require alignment or minor fixes. The R1000's have a couple of BNC size holes in the rear panel. I was going to restore these receivers as they are in generally good condition. If anyone would like a nice receiver as a little winter project lets 'talk' and see if we can agree a value. :-) I always liked the little R1000, it's a good little receiver. I have a mint one that I will keep in my collection.

Fraser

--- In Lowe_Receivers@yahoogroups.com, "Fraser " <fraser.castle@...> wrote:
>
> OFF TOPIC (but may be of interest to UK members)
>
> I am clearing my excess inventory of radio kit and will be placing much of it on an auction site. Before I do so I thought I would make the clearout known to fellow members of this group so that they can have first refusal on anything of interest.
>
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> Icom M700 150W HF marine transceiver- good working order nice condition. I'll have to check but I think it's all frequencies (not banded)
> Icom M600 HF marine 150W HF transceiver - good working order- used condition. I'll have to check but I think it's all frequencies (not banded).
> AKD/Target HF3 - The model with audio out and additional memories etc.
> AOR SDU5000 (not SDU5500) spectrum display unit for 10.7 MHZ IF receivers - lovely unit in great condition. Will control AR3000A and will work wth any receiver that provides a 10.7MHz I.F. output.
> AOR AR3000A Superb HF/VHF/UHF communications receiver in great condition and with official AOR(UK) 10.7MHz I.F. output upgrade).
> Yaesu FRG7700 - Nice HF receiver in good used condition.
> Yaesu FRG7700 - with official upgrades to improve performance. (Not a DIY upgrade job) Good used condition.
> Datong AD270 active dipole and pre-amplifier. Several available.
> AEA PK232MBX Radio modem - great condition if you have a use for it.
> Sinadder meter for Lowe receiver alignement - I have several in good used condition.
> 'Lowe' SRX50 - one for collectors. No Lowe label on front but I believe it is the same unit.
>
> I MAY be persuaded to part with some of the following Lowe products:

>
> HF-125
> HF-150
> HF-225
> HF-250
>
> The units will be in great condition and tested for proper operation.
> The price would need to be realistic though.
>
> In some cases I have more than one unit available. I have deliberately not provided prices because I have no intention of fleecing anyone and a mutually agreeable price may be reached once interested parties have seen photographs etc. This is not an aucton so I will NOT play one interested party off against another and if a price cannot be agreed upon, no worries, no harm done :-) I will test all kit before despatch and guarantee satisfaction, if it's DOA or faulty on receipt, you get your money back. These units are 'of an age' and I am not a commercial company so please do not expect a warranty of any sort with a used unit. I don't think I can be fairer than that.
>
> Overseas shipping can be a pain for heavy radio kit so I don't really want to get into that but will be happy to dscuss if someone Really wants a particular piece of kit.
>
>
> Fraser
>

508. RE: [Lowe_Receivers] Re: OT - Clearout of excess radio kit

Yahoo group: Lowe_Receivers
Date: 2011-10-12 15:37:31 UTC
From: Fraser Castle
Topic: 506 Message: 508
Attachments: 2 described; binary payloads are missing from this source WARC

Update:

Well I have extracted the five Trio/Kenwood R1000's from the loft and they are in far better condition than I remembered. 'Projects' would be a tad unfair to them. One is missing a foot and only two have the BNC holes in the rear panel. One is fitted with the after-market FM board and a couple have slightly yellows buttons. Testing will commence shortly. If you fancy a play with a classic Trio Kenwood R1000, get in touch J

Searching my loft for the receivers has been quite fun, I am discovering all manner of long forgotten equipment J

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of Fraser
Sent: 12 October 2011 10:43
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Re: OT - Clearout of excess radio kit

In addition to the equipment listed I also have waht I would describe a sprojects receivers....At least one Yaesu FRG7700 and several Trio Kenwood R1000 receivers. These range from working fine to working but require alignment or minor fixes. The R1000's have a couple of BNC size holes in the rear panel. I was going to restore these receivers as they are in generally good condition. If anyone would like a nice receiver as a little winter project lets 'talk' and see if we can agree a value. :-) I always liked the little R1000, it's a good little receiver. I have a mint one that I will keep in my collection.

Fraser

--- In Lowe_Receivers@yahoogroups.com <mailto:Lowe_Receivers%40yahoogroups.com> , "Fraser " <fraser.castle@...> wrote:
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> OFF TOPIC (but may be of interest to UK members)
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> HF-125
> HF-150
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> HF-250
>
> The units will be in great condition and tested for proper operation.
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>
> Overseas shipping can be a pain for heavy radio kit so I don't really want to get into that but will be happy to dscuss if someone Really wants a particular piece of kit.

>
>
> Fraser
>

509. Re: [Lowe_Receivers] OT - Clearout of excess radio kit

Yahoo group: Lowe_Receivers
Date: 2011-10-12 17:17:19 UTC
From: Alan Hunter
Topic: 506 Message: 509

Hi Fraser - I am a new member of the list and would be interested in the Target HF3 Receiver and also the HF 150 if you could bear to part with it. I own an HF225 that is ok but the HF150 I have had for a couple of years bought S/H has failed in that it only tunes over the lower part of the HF band and stops receiving at around the 12mHz area - does not seem to be switching around the 11.575 mHz for the higher end as it used to - is this a common problem? - as you would be the man to know.
I also have the AP150 add on Amp/filter/meter box that is now somewhat useless without the receiver operating.
Are you looking for sensible offers or do you have a price in mind for the above ?

Kind Regards

Alan Hunter

Nr Cambridge

----- Original Message -----
From: Fraser
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, October 12, 2011 10:30 AM
Subject: [Lowe_Receivers] OT - Clearout of excess radio kit

OFF TOPIC (but may be of interest to UK members)

I am clearing my excess inventory of radio kit and will be placing much of it on an auction site. Before I do so I thought I would make the clearout known to fellow members of this group so that they can have first refusal on anything of interest.

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Icom M600 HF marine 150W HF transceiver - good working order- used condition. I'll have to check but I think it's all frequencies (not banded).
AKD/Target HF3 - The model with audio out and additional memories etc.
AOR SDU5000 (not SDU5500) spectrum display unit for 10.7 MHZ IF receivers - lovely unit in great condition. Will control AR3000A and will work wth any receiver that provides a 10.7MHz I.F. output.
AOR AR3000A Superb HF/VHF/UHF communications receiver in great condition and with official AOR(UK) 10.7MHz I.F. output upgrade).
Yaesu FRG7700 - Nice HF receiver in good used condition.
Yaesu FRG7700 - with official upgrades to improve performance. (Not a DIY upgrade job) Good

used condition.
Datong AD270 active dipole and pre-amplifier. Several available.
AEA PK232MBX Radio modem - great condition if you have a use for it.
Sinadder meter for Lowe receiver alignement - I have several in good used condition.
'Lowe' SRX50 - one for collectors. No Lowe label on front but I believe it is the same unit.

I MAY be persuaded to part with some of the following Lowe products:

HF-125
HF-150
HF-225
HF-250

The units will be in great condition and tested for proper operation.
The price would need to be realistic though.

In some cases I have more than one unit available. I have deliberately not provided prices because I have no intention of fleecing anyone and a mutually agreeable price may be reached once interested parties have seen photographs etc. This is not an aucton so I will NOT play one interested party off against another and if a price cannot be agreed upon, no worries, no harm done :-) I will test all kit before despatch and guarantee satisfaction, if it's DOA or faulty on receipt, you get your money back. These units are 'of an age' and I am not a commercial company so please do not expect a warranty of any sort with a used unit. I don't think I can be fairer than that.

Overseas shipping can be a pain for heavy radio kit so I don't really want to get into that but will be happy to dscuss if someone Really wants a particular piece of kit.

Fraser

510. RE: [Lowe_Receivers] OT - Clearout of excess radio kit

Yahoo group: Lowe_Receivers
Date: 2011-10-12 17:29:23 UTC
From: Fraser Castle
Topic: 506 Message: 510
Attachments: 2 described; binary payloads are missing from this source WARC

Hi Alan,

I am open to sensible offers on the units. I would wish to send you some pictures of the receivers before you make an offer. All are in excellent to superb condition. The HF3 has only ever come out of it's original box to test it ! I can likely assist you in the repair of your HF-150 if you like. The fault does not sound too severe and is likely the VCO switching. Repair would be very cheap compared to buying another receiver. I may be able to guide you to finding the fault yourself, or I would be happy to fix it for a small fee to cover only me hobby time and parts. If you still want to buy another HF-150 let me know and I will see if we can come up with a mutually agreeable price J

PM me your email address and I will send pictures of the HF-3, and welcome your thoughts on it's value to you.

Kindest Regards

Fraser

Milton Keynes

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of Alan Hunter
Sent: 12 October 2011 18:17
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] OT - Clearout of excess radio kit

Hi Fraser - I am a new member of the list and would be interested in the Target HF3 Receiver and also the HF 150 if you could bear to part with it. I own an HF225 that is ok but the HF150 I have had for a couple of years bought S/H has failed in that it only tunes over the lower part of the HF band and stops receiving at around the 12mHz area - does not seem to be switching around the 11.575 mHz for the higher end as it used to - is this a common problem? - as you would be the man to know.

I also have the AP150 add on Amp/filter/meter box that is now somewhat useless without the receiver operating.

Are you looking for sensible offers or do you have a price in mind for the above ?

Kind Regards

Alan Hunter

Nr Cambridge

----- Original Message -----

From: Fraser <mailto:fraser.castle@...>

To: Lowe_Receivers@yahoogroups.com

Sent: Wednesday, October 12, 2011 10:30 AM

Subject: [Lowe_Receivers] OT - Clearout of excess radio kit

OFF TOPIC (but may be of interest to UK members)

I am clearing my excess inventory of radio kit and will be placing much of it on an auction site. Before I do so I thought I would make the clearout known to fellow members of this group so that they can have first refusal on anything of interest.

I may have to make a document listing the kit but for starters I can provide the following equipment details:

Icom R7000 - VHF/UHF Communication receiver - good working order nice condition.
Icom R100 - HF/VHF/UHF communications receiver - good working order, nice condition with professional SSB upgrade fitted (not a DIY upgrade)
Icom R1 - HF/VHF/UHF handheld receiver Good working order but requires new batteries
Icom M700 150W HF marine transceiver- good working order nice condition. I'll have to check but I think it's all frequencies (not banded)
Icom M600 HF marine 150W HF transceiver - good working order- used condition. I'll have to check but I think it's all frequencies (not banded).
AKD/Target HF3 - The model with audio out and additional memories etc.
AOR SDU5000 (not SDU5500) spectrum display unit for 10.7 MHZ IF receivers - lovely unit in great condition. Will control AR3000A and will work wth any receiver that provides a 10.7MHz I.F. output.
AOR AR3000A Superb HF/VHF/UHF communications receiver in great condition and with official AOR(UK) 10.7MHz I.F. output upgrade).
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Yaesu FRG7700 - with official upgrades to improve performance. (Not a DIY upgrade job) Good used condition.
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Sinadder meter for Lowe receiver alignement - I have several in good used condition.
'Lowe' SRX50 - one for collectors. No Lowe label on front but I believe it is the same unit.

I MAY be persuaded to part with some of the following Lowe products:

HF-125
HF-150
HF-225
HF-250

The units will be in great condition and tested for proper operation.
The price would need to be realistic though.

In some cases I have more than one unit available. I have deliberately not provided prices because I have no intention of fleecing anyone and a mutually agreeable price may be reached once interested parties have seen photographs etc. This is not an aucton so I will NOT play one interested party off against another and if a price cannot be agreed upon, no worries, no harm done :-) I will test all kit before despatch and guarantee satisfaction, if it's DOA or faulty on receipt, you get your money back. These units are 'of an age' and I am not a commercial company so please do not expect a warranty of any sort with a used unit. I don't think I can be fairer than that.

Overseas shipping can be a pain for heavy radio kit so I don't really want to get into that but will be happy to dscuss if someone Really wants a particular piece of kit.

Fraser

511. Re: OT - Clearout of excess radio kit

Yahoo group: Lowe_Receivers
Date: 2011-10-13 14:49:50 UTC
From: Fraser
Topic: 506 Message: 511

Alan,

The HF3 turns out to be the deluxe HF3/S model with PC data port output for JVFAX and Hamcomm etc :-)

The unit is as new and unused, except for testing, and still in it's original box etc. I have sent you some photographs to peruse.

Best Wishes

Fraser

--- In Lowe_Receivers@yahoogroups.com, "Alan Hunter" <alan.ajhunter@...> wrote:
>
> Hi Fraser - I am a new member of the list and would be interested in the Target HF3 Receiver and also the HF 150 if you could bear to part with it. I own an HF225 that is ok but the HF150 I have had for a couple of years bought S/H has failed in that it only tunes over the lower part of the HF band and stops receiving at around the 12mHz area - does not seem to be switching around the 11.575 mHz for the higher end as it used to - is this a common problem? - as you would be the man to know.
> I also have the AP150 add on Amp/filter/meter box that is now somewhat useless without the receiver operating.
> Are you looking for sensible offers or do you have a price in mind for the above ?
>
> Kind Regards
>
> Alan Hunter
>
> Nr Cambridge
>
> ----- Original Message -----
> From: Fraser
> To: Lowe_Receivers@yahoogroups.com
> Sent: Wednesday, October 12, 2011 10:30 AM
> Subject: [Lowe_Receivers] OT - Clearout of excess radio kit
>
>
>
> OFF TOPIC (but may be of interest to UK members)
>
> I am clearing my excess inventory of radio kit and will be placing much of it on an auction site. Before I do so I thought I would make the clearout known to fellow members of this group so that they can have first refusal on anything of interest.
>
> I may have to make a document listing the kit but for starters I can provide the following equipment details:

>
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> Icom R1 - HF/VHF/UHF handheld receiver Good working order but requires new batteries
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> AKD/Target HF3 - The model with audio out and additional memories etc.
> AOR SDU5000 (not SDU5500) spectrum display unit for 10.7 MHZ IF receivers - lovely unit in great condition. Will control AR3000A and will work wth any receiver that provides a 10.7MHz I.F. output.
> AOR AR3000A Superb HF/VHF/UHF communications receiver in great condition and with official AOR(UK) 10.7MHz I.F. output upgrade).
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>
> I MAY be persuaded to part with some of the following Lowe products:
>
> HF-125
> HF-150
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> The units will be in great condition and tested for proper operation.
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> In some cases I have more than one unit available. I have deliberately not provided prices because I have no intention of fleecing anyone and a mutually agreeable price may be reached once interested parties have seen photographs etc. This is not an aucton so I will NOT play one interested party off against another and if a price cannot be agreed upon, no worries, no harm done :-) I will test all kit before despatch and guarantee satisfaction, if it's DOA or faulty on receipt, you get your money back. These units are 'of an age' and I am not a commercial company so please do not expect a warranty of any sort with a used unit. I don't think I can be fairer than that.
>
> Overseas shipping can be a pain for heavy radio kit so I don't really want to get into that but will be happy to dscuss if someone Really wants a particular piece of kit.
>
>
> Fraser
>

512. SMC version of thee HF-150

Yahoo group: Lowe_Receivers
Date: 2011-10-18 04:49:32 UTC
From: Dale
Topic: 512 Message: 512

I have one of these arriving Tuesday. Are there any differences, aside from color, between the SMC and Lowe versions?

Tnx,
Dale W4OP

513. Re: SMC version of thee HF-150

Yahoo group: Lowe_Receivers
Date: 2011-10-18 05:23:22 UTC
From: Mike
Topic: 512 Message: 513

Identical, except for the missing proprietary degruntulator which removes cough modulations, e.g. from hoarse eastern block male announcers. Not so important in AM mode after Communism fell in Europe, and does not apply to SSB at all.

--- In Lowe_Receivers@yahoogroups.com, "Dale" <parinc1@...> wrote:
>
> I have one of these arriving Tuesday. Are there any differences, aside from color, between the SMC and Lowe versions?
>
> Tnx,
> Dale W4OP
>

514. Re: srx 30d

Yahoo group: Lowe_Receivers
Date: 2011-10-18 12:49:41 UTC
From: Rob
Topic: 496 Message: 514

I'm not sure how different the SRX30D is from the original model, other than the digital read out. But, the SRX30 has both a built in telescopic aerial and two 4 mm banana sockets for an external aerial.

The telescopic was hardwired in, so it could cause problems if used an external aerial. I removed the telescopic and since the external aerial connectors were not balanced, removed them as well and replaced them with an N-type connector.

Rob

--- In Lowe_Receivers@yahoogroups.com, "ray23.t21@..." <ray23.t21@...> wrote:
>
> Hi all just bought my first rig and was wondering is there a nod for antenna conection has i see it red is arial and black earth to ground
> can i not adapt a fitting to tke a pl type socket
>
> thanks
>

515. Re: [Lowe_Receivers] SMC version of the HF-150

Yahoo group: Lowe_Receivers
Date: 2011-10-18 14:21:07 UTC
From: crabtreejr@aol.com
Topic: 515 Message: 515

Hello Dale

It is nice to hear from you again.

One difference between the Lowe and SMC produced HF-150's was that the SMC units were fitted with a 25 ppr Bournes optical encoder insted of the Alps 50 ppr mechanical encoder. Hence the tuning rate will be half that of the Lowe units.

This was discussed in the older group at:
http://groups.yahoo.com/group/lowe_hfreceivers/message/1480

HTH and 73

John KC0G

In a message dated 10/17/2011 11:49:36 PM Central Daylight Time,
parinc1@... writes:
> I have one of these arriving Tuesday. Are there any differences, aside
> from color, between the SMC and Lowe versions?
>
> Tnx,
> Dale W4OP
>

516. HF150 Display

Yahoo group: Lowe_Receivers
Date: 2011-10-18 22:04:54 UTC
From: Dale
Topic: 516 Message: 516

Does anyone have a spare 150 LCD display. My guess is that the person that added backlighting to the one I just bought- chipped the glass a bit- leaving a dark mark on the bottom- cosmetic only, but still I would like to replace it. I was sure I had one here, but sure have not found it.
Tnx,
Dale W4OP

517. RE: [Lowe_Receivers] HF150 Display

Yahoo group: Lowe_Receivers
Date: 2011-10-18 22:30:11 UTC
From: Fraser Castle
Topic: 516 Message: 517

Dale,

I have a very small number remaining for repair work. I have the OEM HF-150E version that is transflective and designed for backlighting. There will be no need to remove any film from its rear and it performs well unlit in daylight as well J

I am asking £10 each plus postage if you are interested.

Regards

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of Dale
Sent: 18 October 2011 23:05
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF150 Display

Does anyone have a spare 150 LCD display. My guess is that the person that added backlighting to the one I just bought- chipped the glass a bit- leaving a dark mark on the bottom- cosmetic only, but still I would like to replace it. I was sure I had one here, but sure have not found it.
Tnx,
Dale W4OP

518. Re: HF150 Display

Yahoo group: Lowe_Receivers
Date: 2011-10-19 15:41:26 UTC
From: Dale
Topic: 516 Message: 518

Hi Fraser,

I would like to purchase the display- and also if you have it, the plastic silk screened front panel piece. Just let me know the total and if I can pay you through PayPal. Thanks so much for making the part(s) available.

Dale W4OP

> I have a very small number remaining for repair work. I have the OEM HF-150E
> version that is transflective and designed for backlighting. There will be
> no need to remove any film from its rear and it performs well unlit in
> daylight as well J
>
>
>
> I am asking £10 each plus postage if you are interested.
>
>
>
> Regards
>
>
>
> Fraser
>
>
>
> From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
> On Behalf Of Dale
> Sent: 18 October 2011 23:05
> To: Lowe_Receivers@yahoogroups.com
> Subject: [Lowe_Receivers] HF150 Display
>
>
>
>
>
> Does anyone have a spare 150 LCD display. My guess is that the person that
> added backlighting to the one I just bought- chipped the glass a bit-
> leaving a dark mark on the bottom- cosmetic only, but still I would like to
> replace it. I was sure I had one here, but sure have not found it.
> Tnx,
> Dale W4OP
>

519. HF-150

Yahoo group: Lowe_Receivers
Date: 2011-10-19 15:43:22 UTC
From: Dale
Topic: 519 Message: 519

Hello Fraser,
Are the large rubber feet that were on the original 150 still available anywhere?
My SMC has much smaller feet- and although perfectly functional, the larger feet were much nicer.

Dale W4OP

520. HF-150

Yahoo group: Lowe_Receivers
Date: 2011-10-19 16:21:34 UTC
From: Dale
Topic: 519 Message: 520

Hello Fraser,
Are the large rubber feet that were on the original 150 still available anywhere?
My SMC has much smaller feet- and although perfectly functional, the larger feet were much nicer.

Dale W4OP

521. RE: [Lowe_Receivers] Re: HF150 Display

Yahoo group: Lowe_Receivers
Date: 2011-10-19 17:37:49 UTC
From: Fraser Castle
Topic: 516 Message: 521
Attachments: 2 described; binary payloads are missing from this source WARC

Hi Dale,

Sorry, I have no stock of the silk screened front panel perspex.

I will PM you my PayPal account ID

Kind Regards

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of Dale
Sent: 19 October 2011 16:41
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Re: HF150 Display

Hi Fraser,

I would like to purchase the display- and also if you have it, the plastic
silk screened front panel piece. Just let me know the total and if I can pay
you through PayPal.
Thanks so much for making the part(s) available.

Dale W4OP

> I have a very small number remaining for repair work. I have the OEM
HF-150E
> version that is transflective and designed for backlighting. There will be
> no need to remove any film from its rear and it performs well unlit in
> daylight as well J
>
>
>
> I am asking £10 each plus postage if you are interested.
>
>
>
> Regards
>
>
>
> Fraser
>
>
>
> From: Lowe_Receivers@yahoogroups.com

<mailto:Lowe_Receivers%40yahoogroups.com>
[mailto:Lowe_Receivers@yahoogroups.com
<mailto:Lowe_Receivers%40yahoogroups.com>]
> On Behalf Of Dale
> Sent: 18 October 2011 23:05
> To: Lowe_Receivers@yahoogroups.com
<mailto:Lowe_Receivers%40yahoogroups.com>
> Subject: [Lowe_Receivers] HF150 Display
>
>
>
>
>
> Does anyone have a spare 150 LCD display. My guess is that the person that
> added backlighting to the one I just bought- chipped the glass a bit-
> leaving a dark mark on the bottom- cosmetic only, but still I would like
to
> replace it. I was sure I had one here, but sure have not found it.
> Tnx,
> Dale W4OP
>

522. RE: [Lowe_Receivers] HF-150

Yahoo group: Lowe_Receivers
Date: 2011-10-19 17:39:57 UTC
From: Fraser Castle
Topic: 519 Message: 522

Dale,

I do have stock of the big feet but will need to dig them out of my spares store and find the price I paid for them. I'll PM you later with a price for them plus LCD + postage to USA ?

Kind Regards

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of Dale
Sent: 19 October 2011 16:43
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-150

Hello Fraser,
Are the large rubber feet that were on the original 150 still available anywhere?
My SMC has much smaller feet- and although perfectly functional, the larger feet were much nicer.

Dale W4OP

523. HF-150 &225 service manuals

Yahoo group: Lowe_Receivers
Date: 2011-10-21 15:10:04 UTC
From: a aa
Topic: 523 Message: 523

Hi All,

A silly question, where can I find clear copies of the 225 and 150 service manuals for download? I used to have nice copies on my old hard drive but lost them due to a crash.

Thanks in advance.

Regards,
Akhil

524. RE: [Lowe_Receivers] HF-150 &225 service manuals

Yahoo group: Lowe_Receivers
Date: 2011-10-21 15:14:16 UTC
From: Fraser Castle
Topic: 523 Message: 524

http://www.rigpix.com/lowe/lowe_hf225.htm

http://www.hamanuals.com/miscmans.html

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of a aa
Sent: 21 October 2011 16:10
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-150 &225 service manuals

Hi All,

A silly question, where can I find clear copies of the 225 and 150 service manuals for download? I used to have nice copies on my old hard drive but lost them due to a crash.

Thanks in advance.

Regards,
Akhil

525. Re: [Lowe_Receivers] HF-150 &225 service manuals

Yahoo group: Lowe_Receivers
Date: 2011-10-21 15:15:49 UTC
From: a aa
Topic: 523 Message: 525

Hello Fraser,

Many thanks for the prompt reply.

Best Regards,
Akhil

On 21 October 2011 11:14, Fraser Castle <fraser.castle@...> wrote:

>
>
> http://www.rigpix.com/lowe/lowe_hf225.htm****
>
> ** **
>
> http://www.hamanuals.com/miscmans.html****
>
> ** **
>
> ** **
>
> ** **
>
> *From:* Lowe_Receivers@yahoogroups.com [mailto:
> Lowe_Receivers@yahoogroups.com] *On Behalf Of *a aa
> *Sent:* 21 October 2011 16:10
> *To:* Lowe_Receivers@yahoogroups.com
> *Subject:* [Lowe_Receivers] HF-150 &225 service manuals****
>
> ** **
>
> ****
>
>
>
> Hi All,
>
> A silly question, where can I find clear copies of the 225 and 150
> service manuals for download? I used to have nice copies on my old hard
> drive but lost them due to a crash.
>
> Thanks in advance.
>
> Regards,
> Akhil****
>

> ****
>
>
>
>

526. Re: [Lowe_Receivers] HF-150 &225 service manuals

Yahoo group: Lowe_Receivers
Date: 2011-10-21 15:17:06 UTC
From: a aa
Topic: 523 Message: 526

P.S:- Would it be acceptable to upload these to the files section of this group?

On 21 October 2011 11:15, a aa <classwp@...> wrote:

> Hello Fraser,
>
> Many thanks for the prompt reply.
>
> Best Regards,
> Akhil
>
>
> On 21 October 2011 11:14, Fraser Castle <fraser.castle@...> wrote:
>
>>
>>
>> http://www.rigpix.com/lowe/lowe_hf225.htm****
>>
>> ** **
>>
>> http://www.hamanuals.com/miscmans.html****
>>
>> ** **
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>> ** **
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>> ** **
>>
>> *From:* Lowe_Receivers@yahoogroups.com [mailto:
>> Lowe_Receivers@yahoogroups.com] *On Behalf Of *a aa
>> *Sent:* 21 October 2011 16:10
>> *To:* Lowe_Receivers@yahoogroups.com
>> *Subject:* [Lowe_Receivers] HF-150 &225 service manuals****
>>
>> ** **
>>
>> ****
>>
>>
>>
>> Hi All,
>>
>> A silly question, where can I find clear copies of the 225 and 150
>> service manuals for download? I used to have nice copies on my old hard

>> drive but lost them due to a crash.
>>
>> Thanks in advance.
>>
>> Regards,
>> Akhil****
>>
>> ****
>>
>>
>>
>>
>
>

527. RE: [Lowe_Receivers] HF-150 &225 service manuals

Yahoo group: Lowe_Receivers
Date: 2011-10-21 15:26:52 UTC
From: Fraser Castle
Topic: 523 Message: 527

Hi Akhil,

As these are still available for sale in paper format from Lowe, I would rather not spoil relations with them by holding copies on this group. Google finds them easily anyway J

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of a aa
Sent: 21 October 2011 16:17
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] HF-150 &225 service manuals

P.S:- Would it be acceptable to upload these to the files section of this group?

On 21 October 2011 11:15, a aa <classwp@...> wrote:

Hello Fraser,

Many thanks for the prompt reply.

Best Regards,
Akhil

On 21 October 2011 11:14, Fraser Castle <fraser.castle@...> wrote:

http://www.rigpix.com/lowe/lowe_hf225.htm

http://www.hamanuals.com/miscmans.html

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of a aa
Sent: 21 October 2011 16:10
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-150 &225 service manuals

Hi All,

A silly question, where can I find clear copies of the 225 and 150 service manuals for download? I used to have nice copies on my old hard drive but lost them due to a crash.

Thanks in advance.

Regards,
Akhil

528. Re: [Lowe_Receivers] HF-150 &225 service manuals

Yahoo group: Lowe_Receivers
Date: 2011-10-21 15:57:06 UTC
From: a aa
Topic: 523 Message: 528

Thanks for the reply. Understood.

On 21 October 2011 11:26, Fraser Castle <fraser.castle@...> wrote:

>
>
> Hi Akhil,****
>
> ** **
>
> As these are still available for sale in paper format from Lowe, I would
> rather not spoil relations with them by holding copies on this group. Google
> finds them easily anyway J****
>
> ** **
>
> Fraser****
>
> ** **
>
> *From:* Lowe_Receivers@yahoogroups.com [mailto:
> Lowe_Receivers@yahoogroups.com] *On Behalf Of *a aa
> *Sent:* 21 October 2011 16:17
> *To:* Lowe_Receivers@yahoogroups.com
> *Subject:* Re: [Lowe_Receivers] HF-150 &225 service manuals****
>
> ** **
>
> ****
>
> P.S:- Would it be acceptable to upload these to the files section of this
> group?****
>
> On 21 October 2011 11:15, a aa <classwp@...> wrote:****
>
> Hello Fraser,
>
> Many thanks for the prompt reply.
>
> Best Regards,
> Akhil****
>
> ** **
>
> On 21 October 2011 11:14, Fraser Castle <fraser.castle@...> wrote:*

> ***
>
> ** **
>
> http://www.rigpix.com/lowe/lowe_hf225.htm****
>
> ****
>
> http://www.hamanuals.com/miscmans.html****
>
> ****
>
> ****
>
> ****
>
> *From:* Lowe_Receivers@yahoogroups.com [mailto:
> Lowe_Receivers@yahoogroups.com] *On Behalf Of *a aa
> *Sent:* 21 October 2011 16:10
> *To:* Lowe_Receivers@yahoogroups.com
> *Subject:* [Lowe_Receivers] HF-150 &225 service manuals****
>
> ****
>
> ****
>
>
>
> Hi All,
>
> A silly question, where can I find clear copies of the 225 and 150
> service manuals for download? I used to have nice copies on my old hard
> drive but lost them due to a crash.
>
> Thanks in advance.
>
> Regards,
> Akhil****
>
> ** **
>
> ** **
>
> ** **
>
> ****
>
>
>
>

529. HF 250E

Yahoo group: Lowe_Receivers
Date: 2011-10-22 15:08:38 UTC
From: riumreh
Topic: 529 Message: 529

Hello all. I wonder if anyone can suggest a source for a pair of knobs

for the "volume" and "tone" controls of my HF 250E? Many thanks.

Regards

John

530. RE: [Lowe_Receivers] HF 250E

Yahoo group: Lowe_Receivers
Date: 2011-10-22 17:25:33 UTC
From: Fraser Castle
Topic: 529 Message: 530

John,

The Lowe workshop has stock of the knobs. Contact Tony.

01629 832374 or e-mail workshop@... (Take out the X in the e-mail
address - anti spam).

Kind Regards

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of riumreh
Sent: 22 October 2011 16:09
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF 250E

Hello all. I wonder if anyone can suggest a source for a pair of knobs

for the "volume" and "tone" controls of my HF 250E? Many thanks.

Regards

John

531. Re: HF 250E

Yahoo group: Lowe_Receivers
Date: 2011-10-22 19:35:00 UTC
From: riumreh
Topic: 529 Message: 531

Fraser

Many thanks for the quick reply to my request.

Not sure how I get the email address though as all I can see is

"workshop@" ?

I acquired the receiver No 464204 a few months ago with only one, non-

original, knob. I have been most impressed by it, particularly the

quality of the audio. I hadn't really expected to obtain the original

knobs.

Kind Regards

John

--- In Lowe_Receivers@yahoogroups.com, "Fraser Castle" <fraser.castle@...> wrote:
>
> John,
>
>
>
> The Lowe workshop has stock of the knobs. Contact Tony.
>
>
>
> 01629 832374 or e-mail workshop@... (Take out the X in the e-mail
> address - anti spam).
>
>
>
> Kind Regards
>
>
>
> Fraser
>
>
>
> From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
> On Behalf Of riumreh
> Sent: 22 October 2011 16:09
> To: Lowe_Receivers@yahoogroups.com

> Subject: [Lowe_Receivers] HF 250E
>
>
>
>
>
> Hello all. I wonder if anyone can suggest a source for a pair of knobs
>
> for the "volume" and "tone" controls of my HF 250E? Many thanks.
>
> Regards
>
> John
>

532. RE: [Lowe_Receivers] Re: HF 250E

Yahoo group: Lowe_Receivers
Date: 2011-10-22 20:45:07 UTC
From: Fraser Castle
Topic: 529 Message: 532

Email address ends in .. lowe.co.uk

Yahoo protects email addresses by blanking the ends. Just send it to
'workshop@' plus the ending shown above and you should be OK.

The HF-250E knobs are NOS and I believe are around GBP3 each + delivery.

Regards

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of riumreh
Sent: 22 October 2011 20:35
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Re: HF 250E

Fraser

Many thanks for the quick reply to my request.

Not sure how I get the email address though as all I can see is

"workshop@" ?

I acquired the receiver No 464204 a few months ago with only one, non-

original, knob. I have been most impressed by it, particularly the

quality of the audio. I hadn't really expected to obtain the original

knobs.

Kind Regards

John

--- In Lowe_Receivers@yahoogroups.com
<mailto:Lowe_Receivers%40yahoogroups.com> , "Fraser Castle"
<fraser.castle@...> wrote:
>
> John,
>
>
>
> The Lowe workshop has stock of the knobs. Contact Tony.
>
>
>

> 01629 832374 or e-mail workshop@... (Take out the X in the e-mail
> address - anti spam).
>
>
>
> Kind Regards
>
>
>
> Fraser
>
>
>
> From: Lowe_Receivers@yahoogroups.com
<mailto:Lowe_Receivers%40yahoogroups.com>
[mailto:Lowe_Receivers@yahoogroups.com
<mailto:Lowe_Receivers%40yahoogroups.com>]
> On Behalf Of riumreh
> Sent: 22 October 2011 16:09
> To: Lowe_Receivers@yahoogroups.com
<mailto:Lowe_Receivers%40yahoogroups.com>
> Subject: [Lowe_Receivers] HF 250E
>
>
>
>
>
> Hello all. I wonder if anyone can suggest a source for a pair of knobs
>
> for the "volume" and "tone" controls of my HF 250E? Many thanks.
>
> Regards
>
> John
>

533. Re: HF 250E

Yahoo group: Lowe_Receivers
Date: 2011-10-22 20:56:11 UTC
From: riumreh
Topic: 529 Message: 533

Many thanks Fraser

--- In Lowe_Receivers@yahoogroups.com, "Fraser Castle" <fraser.castle@...> wrote:
>
> Email address ends in .. lowe.co.uk
>
>
>
> Yahoo protects email addresses by blanking the ends. Just send it to
> 'workshop@' plus the ending shown above and you should be OK.
>
>
>
> The HF-250E knobs are NOS and I believe are around GBP3 each + delivery.
>
>
>
> Regards
>
>
>
> Fraser
>
>
>
> From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
> On Behalf Of riumreh
> Sent: 22 October 2011 20:35
> To: Lowe_Receivers@yahoogroups.com
> Subject: [Lowe_Receivers] Re: HF 250E
>
>
>
>
>
> Fraser
>
> Many thanks for the quick reply to my request.
>
> Not sure how I get the email address though as all I can see is
>
> "workshop@" ?
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> I acquired the receiver No 464204 a few months ago with only one, non-
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> original, knob. I have been most impressed by it, particularly the
>
> quality of the audio. I hadn't really expected to obtain the original
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> knobs.
>
> Kind Regards
>
> John
>
> --- In Lowe_Receivers@yahoogroups.com
> <mailto:Lowe_Receivers%40yahoogroups.com> , "Fraser Castle"
> <fraser.castle@> wrote:
> >
> > John,
> >
> >
> >
> > The Lowe workshop has stock of the knobs. Contact Tony.
> >
> >
> >
> > 01629 832374 or e-mail workshop@ (Take out the X in the e-mail
> > address - anti spam).
> >
> >
> >
> > Kind Regards
> >
> >
> >
> > Fraser
> >
> >
> >
> > From: Lowe_Receivers@yahoogroups.com
> <mailto:Lowe_Receivers%40yahoogroups.com>
> [mailto:Lowe_Receivers@yahoogroups.com
> <mailto:Lowe_Receivers%40yahoogroups.com>]
> > On Behalf Of riumreh
> > Sent: 22 October 2011 16:09
> > To: Lowe_Receivers@yahoogroups.com
> <mailto:Lowe_Receivers%40yahoogroups.com>
> > Subject: [Lowe_Receivers] HF 250E
> >
> >
> >
> >
> >
> > Hello all. I wonder if anyone can suggest a source for a pair of knobs

> >
> > for the "volume" and "tone" controls of my HF 250E? Many thanks.
> >
> > Regards
> >
> > John
> >
>

534. HF-150 Manual available! Gratis!!

Yahoo group: Lowe_Receivers
Date: 2011-10-24 00:21:29 UTC
From: Alan Nimmo
Topic: 534 Message: 534

I have a spare manual for the HF-150 up for grabs, if anyone wants it. Just send me an SAE and I'll post it back.

PS - it has 2 punched holes near the spine, which avoid the text OK.

535. Re: HF-150 Manual available! Gratis!!

Yahoo group: Lowe_Receivers
Date: 2011-10-26 00:16:01 UTC
From: Alan Nimmo
Topic: 534 Message: 535

Taken!

--- In Lowe_Receivers@yahoogroups.com, "Alan Nimmo" <nimmo.alan@...> wrote:
>
> I have a spare manual for the HF-150 up for grabs, if anyone wants it. Just send me an SAE and I'll post it back.
>
> PS - it has 2 punched holes near the spine, which avoid the text OK.
>

536. Lowe HF-225

Yahoo group: Lowe_Receivers
Date: 2011-10-26 23:36:07 UTC
From: Richard Steenis
Topic: 536 Message: 536

I have a HF-225 that is inoperative due to leaving the antenna connected over a period of time. I do not have the tools or expertise to repair it. Does anyone know where I may have it repaired? I live in Phoenix, AZ.

I am also interested in selling it. It is in great cosmetic condition.

Thanks,
Richard

537. Re: [Lowe_Receivers] Lowe HF-225

Yahoo group: Lowe_Receivers
Date: 2011-10-27 11:51:42 UTC
From: Paul Jinks
Topic: 536 Message: 537

Someone once told me a small neon bulb placed between antenna (single wire) and receiver will protect from lighting spikes. Is this true does anyone know?

538. RE: [Lowe_Receivers] Lowe HF-225

Yahoo group: Lowe_Receivers
Date: 2011-10-27 13:48:49 UTC
From: Fraser Castle
Topic: 536 Message: 538

No that doesn't sound quite right....

A neon discharge tube flashes over at around 60V depending upon the model. The neon lamp may be used as a primitive gas discharge tube if placed ACROSS the aerial input of a receiver (NOT in series). It will only limit the high potential to the flashover p.d. though and that may well still be enough to fry the receiver front end. I usually use gas discharge tubes that are specifically designed for RF applications, and have much better specifications than a simple neon lamp. Static discharge is a problem with ground isolated aerials such as the long wire. A 2K Ohm bleed resistor may be fitted across the receivers aerial input to leak the static charge to ground and prevent a high voltage build up that could damage the front end electronics. Both the bleed resistor and the discharge tube do have an effect on the receivers input characteristics but it is usually tolerable in HF applications.

If your station suffers a Direct lightning strike or a very near miss, a surge arrester will likely not save your receiver or most of the electronics and electrical's in your house. Static discharge is what you are really defending against here.

Regards

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of Paul Jinks
Sent: 27 October 2011 12:52
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] Lowe HF-225

Someone once told me a small neon bulb placed between antenna (single wire) and receiver will protect from lighting spikes. Is this true does anyone know?

539. Re: [Lowe_Receivers] Lowe HF-225

Yahoo group: Lowe_Receivers
Date: 2011-10-27 14:34:05 UTC
From: a aa
Topic: 536 Message: 539

Hi Fraser,
Can you suggest a particular make & model number of gas discharge tube for this application?

Thanks in advance,

Regards,
Akhil

On 27 October 2011 09:48, Fraser Castle <fraser.castle@...> wrote:

>
>
> No that doesn’t sound quite right…...****
>
> ** **
>
> A neon discharge tube flashes over at around 60V depending upon the model.
> The neon lamp may be used as a primitive gas discharge tube if placed ACROSS
> the aerial input of a receiver (NOT in series). It will only limit the high
> potential to the flashover p.d. though and that may well still be enough to
> fry the receiver front end. I usually use gas discharge tubes that are
> specifically designed for RF applications, and have much better
> specifications than a simple neon lamp. Static discharge is a problem with
> ground isolated aerials such as the long wire. A 2K Ohm bleed resistor may
> be fitted across the receivers aerial input to leak the static charge to
> ground and prevent a high voltage build up that could damage the front end
> electronics. Both the bleed resistor and the discharge tube do have an
> effect on the receivers input characteristics but it is usually tolerable in
> HF applications.****
>
> ** **
>
> If your station suffers a Direct lightning strike or a very near miss, a
> surge arrester will likely not save your receiver or most of the electronics
> and electrical’s in your house. Static discharge is what you are really
> defending against here. ****
>
> ** **
>
> Regards****
>
> ** **
>
> Fraser****
>

> ** **
>
> *From:* Lowe_Receivers@yahoogroups.com [mailto:
> Lowe_Receivers@yahoogroups.com] *On Behalf Of *Paul Jinks
> *Sent:* 27 October 2011 12:52
> *To:* Lowe_Receivers@yahoogroups.com
> *Subject:* Re: [Lowe_Receivers] Lowe HF-225****
>
> ** **
>
> ****
>
> Someone once told me a small neon bulb placed between antenna (single
> wire) and receiver will protect from lighting spikes. Is this true does
> anyone know?****
>
> ****
>
>
>
>

540. RE: [Lowe_Receivers] Lowe HF-225

Yahoo group: Lowe_Receivers
Date: 2011-10-27 15:50:13 UTC
From: Fraser Castle
Topic: 536 Message: 540

Hi Akhil,

Yes. I use EPCOS products that may be found stocked by Farnell in the UK.

This is the one that I use, it's low capacitance, leaded (important if you don't have a Gas tube holder) and it is designed for Antenna use J

http://uk.farnell.com/epcos/ec75x/gas-discharge-tube-75v/dp/1843306

Datasheet available on the page

Kind Regards

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of a aa
Sent: 27 October 2011 15:34
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] Lowe HF-225

Hi Fraser,
Can you suggest a particular make & model number of gas discharge tube for this application?

Thanks in advance,

Regards,
Akhil

On 27 October 2011 09:48, Fraser Castle <fraser.castle@...> wrote:

No that doesn't sound quite right....

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If your station suffers a Direct lightning strike or a very near miss, a surge arrester will likely not save your receiver or most of the electronics and electrical's in your house. Static discharge is what you are really defending against here.

Regards

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of Paul Jinks
Sent: 27 October 2011 12:52
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] Lowe HF-225

Someone once told me a small neon bulb placed between antenna (single wire) and receiver will protect from lighting spikes. Is this true does anyone know?

541. Re: Lowe HF-225

Yahoo group: Lowe_Receivers
Date: 2011-11-03 15:35:12 UTC
From: Mike
Topic: 536 Message: 541

The neon lamp fuse was popular in the fifties, a tip to use them can be found in some vintage owners manuals. That was the vacuum valve era.

542. Parts for HF-225

Yahoo group: Lowe_Receivers
Date: 2011-11-07 13:49:36 UTC
From: Richard
Topic: 542 Message: 542

I am looking for new top and bottom covers and front panel for my HF-225.

Are these parts available?

543. Re: [Lowe_Receivers] Parts for HF-225

Yahoo group: Lowe_Receivers
Date: 2011-11-07 14:07:19 UTC
From: Tracey Gardner
Topic: 542 Message: 543

They were available from the Lowe workshop, so I suggest that you contact
Tony to ask him.
01629 832374 or e-mail workshop@... (Take out the X in the e-mail
address - anti spam).

Tracey

----- Original Message -----
From: "Richard" <richardbyronsmith@...>
To: <Lowe_Receivers@yahoogroups.com>
Sent: Monday, November 07, 2011 1:49 PM
Subject: [Lowe_Receivers] Parts for HF-225

>I am looking for new top and bottom covers and front panel for my HF-225.
>
> Are these parts available?
>
>
>

544. Lowe HF-150 Backlighting

Yahoo group: Lowe_Receivers
Date: 2011-11-08 13:54:11 UTC
From: Dale Parfitt
Topic: 544 Message: 544

Lowe Receivers
I just received the display from Fraser- thanks.

I will be trying a new backlighting technique on this HF-150- i.e. using a Lumitex LED backplane.
I'll do a write up and results later in the week. The amber Luitex panel should be here midweek.

Dale W4OP

545. Re: Lowe HF-150 Backlighting

Yahoo group: Lowe_Receivers
Date: 2011-11-08 14:45:05 UTC
From: marcobisceglie
Topic: 544 Message: 545

Hi Dale, tell us about your work, as you know, I posted a backlight tutorial for the HF150, but is very interesting the use of a luitex panel, we wait your news!
Marco IZ7NCO

546. BACKLIT HF-150

Yahoo group: Lowe_Receivers
Date: 2011-11-08 22:37:44 UTC
From: Dale
Topic: 546 Message: 546

I have posted photos of the backlighting I just finished on my Lowe HF-150. Previously I had made custom dispersion plates with 4 LED's mounted on the edges. It took up to two hours to machine the dispersion plate, polish the edges and mount the 4 LED's.
Pete, KE9OA put me on to NOS displays for the Drake SW-8 on eBay item #: 320715618591

I ordered one and along with a display from Fraser that did not have the rear reflective film, I cut down the Lumitex display and mounted it behind the new LCD display. I selected a 120 Ohm resistor which placed the LED current at 22mA when connected to 5VDC inside the 150. I would guess that if you replaced the factory amber LED with a new high intensity LED (easily done) you would end up with an even brighter display.

Total time from start to finsih was under 1/2 hour. More time would be required if you have to remove the reflective layer from a stock HF-150 LCD display.
Dale W4OP

547. Re: BACKLIT HF-150

Yahoo group: Lowe_Receivers
Date: 2011-11-08 23:12:57 UTC
From: biscegliem
Topic: 546 Message: 547

Hi Dale, very interesting photos and results of your mod, please tell me: is it possible to cut the luminescent panel at dimensions of hf150 display? how you cut it, scissors or cutter? is it a optical fibers panel?

--- In Lowe_Receivers@yahoogroups.com, "Dale" <parinc1@...> wrote:
>
> I have posted photos of the backlighting I just finished on my Lowe HF-150. Previously I had made custom dispersion plates with 4 LED's mounted on the edges. It took up to two hours to machine the dispersion plate, polish the edges and mount the 4 LED's.
> Pete, KE9OA put me on to NOS displays for the Drake SW-8 on eBay item #: 320715618591

548. Re: BACKLIT HF-150

Yahoo group: Lowe_Receivers
Date: 2011-11-08 23:34:01 UTC
From: Dale
Topic: 546 Message: 548

Yes, the display comes considerably larger than is required. I marked the dimensions on the white release paper and cut it to size with a new Exacto blade. I also then cut the fibers that go back into the bunde as this makes the bundle smaller and more flexible. Finally, I replaced the factory tie wrap with a much smaller diameter one I had here.

For anyone contemplating this who has a stock display- much caution must be used when removing the rear reflective film- it is easy to scratch the underlying polarizing layer- or even to mistakenly remove the polarizing layer. I have had displays where the reflective film came off in small pieces and others where it stripped off in one piece (not the norm unfortunately).

GL,
Dale W4OP

549. Re: BACKLIT HF-150

Yahoo group: Lowe_Receivers
Date: 2011-11-09 00:31:00 UTC
From: pete225428
Topic: 546 Message: 549

--- In Lowe_Receivers@yahoogroups.com, "Dale" <parinc1@...> wrote:
>
>
> For anyone contemplating this who has a stock display- much caution must be used when removing the rear reflective film- it is easy to scratch the underlying polarizing layer- or even to mistakenly remove the polarizing layer. I have had displays where the reflective film came off in small pieces and others where it stripped off in one piece (not the norm unfortunately).

I've found that after starting to peel the reflective film off, a little Isopropyl Alcohol run into the split will help to soften the glue.

550. Re: BACKLIT HF-150

Yahoo group: Lowe_Receivers
Date: 2011-11-09 11:47:36 UTC
From: Len S Warner
Topic: 546 Message: 550

At 14:37 PST Tue Nov 8, in Digest Number 237, "Dale" w4op wrote:
>I have posted photos of the backlighting I just finished [snip]

Where did you post these, please?

I looked in the group's Photos section, then in Files, and I don't see anything belonging to you - and the only entries which show modification this month are SRX* photos belonging to Fraser.

Regards, LenW

551. Re: [Lowe_Receivers] Re: BACKLIT HF-150

Yahoo group: Lowe_Receivers
Date: 2011-11-09 12:20:51 UTC
From: Tracey Gardner
Topic: 546 Message: 551

Hello Len

There are 42 files in the Photos section, with only 20 files displayed per page.
Dale's six photos are in the last file on the last page.

Regards

Tracey

----- Original Message -----
From: "Len S Warner" <novost@...>
To: <Lowe_Receivers@yahoogroups.com>
Sent: Wednesday, November 09, 2011 11:47 AM
Subject: [Lowe_Receivers] Re: BACKLIT HF-150

> At 14:37 PST Tue Nov 8, in Digest Number 237, "Dale" w4op wrote:
> >I have posted photos of the backlighting I just finished [snip]
>
> Where did you post these, please?
>
> I looked in the group's Photos section, then in Files, and I don't
> see anything belonging to you - and the only entries which show
> modification this month are SRX* photos belonging to Fraser.
>
> Regards, LenW
>
>
> ----------
>
> Yahoo! Groups Links
>
>
>
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1411 / Virus Database: 2092/4005 - Release Date: 11/08/11
>

552. UK repair of LOWE HF225 RX

Yahoo group: Lowe_Receivers
Date: 2011-11-24 18:38:34 UTC
From: stevenfleming16
Topic: 552 Message: 552

Hello
Could anyone please advise if in the uk any person is repairing and able to service these radio..
Many thanks to all,
Steve

553. Re: UK repair of LOWE HF225 RX

Yahoo group: Lowe_Receivers
Date: 2011-11-27 14:26:17 UTC
From: valleyjinker
Topic: 552 Message: 553

--- In Lowe_Receivers@yahoogroups.com, "stevenfleming16" <topdxer@...> wrote:
>
> Hello
> Could anyone please advise if in the uk any person is repairing and able to service these radio..

Whether or not anyone is repairing Lowe recievers in the UK, I'm sure it would be to your advantage to explain on here what is wrong with the way your radio works.

There are a lot of bods on here with a lot of experience!

554. SP-150/AP-150

Yahoo group: Lowe_Receivers
Date: 2011-12-01 23:28:22 UTC
From: Alan Nimmo
Topic: 554 Message: 554

Probably an old question - what are the differences between the SP-150, and the replacement AP-150, and why the change?

Also, I own an HF-150/PR-150 combo, and was thinking of acquiring one of the above, however, I have the set connected to my stereo - which does away with the benefit of the speaker, and I'm not bothered about having a signal meter. Is it worth it for the various filter options?

555. Re: SP-150/AP-150

Yahoo group: Lowe_Receivers
Date: 2011-12-04 07:32:09 UTC
From: valleyjinker
Topic: 554 Message: 555

--- In Lowe_Receivers@yahoogroups.com, "Alan Nimmo" <nimmo.alan@...> wrote:
>
> Probably an old question - what are the differences between the SP-150, and the replacement AP-150, and why the change?
>
> Also, I own an HF-150/PR-150 combo, and was thinking of acquiring one of the above, however, I have the set connected to my stereo - which does away with the benefit of the speaker, and I'm not bothered about having a signal meter. Is it worth it for the various filter options?
>

There is no difference between the SP and AP. The thinking was that the product was very expensive for just a speaker and S-meter, so the name was changed to AP for 'Audio Processor'. There was an idea at Lowe that a forward facing speaker was a good idea. The extra audio power was better able to drive a small bookshelf HiFi speaker

If you have an HF-150 connected to your stereo you've got the best possible audio. The line out signal (which you should be using)is before the power amplifier, so the amp can't contribute to the degradation of the audio, in the case of the AP the signal goes through two power amps. (I'm being pedantic here there will be very little degradation - just that I'm a HiFi freak)

Some like the filters but I wouldn't use them.

556. Lowe Keypad and Power Supply

Yahoo group: Lowe_Receivers
Date: 2011-12-15 23:30:45 UTC
From: Dale
Topic: 556 Message: 556

I have as excess, a like new original HF-150 keypad and HF-150 power supply. The power supply has had a tough life in the past- although the housing has cracks in it, they have been properly glued.
If anyone is interested, E-Mail me at: parinc1@...

Tnx,
Dale W4OP

557. Merry Christmas from Fraser (Group Owner)

Yahoo group: Lowe_Receivers
Date: 2011-12-24 23:51:16 UTC
From: Fraser
Topic: 557 Message: 557

Merry Christmas to all members of this Group :-)

I hope you have an enjoyable day of celebrations, not to mention plenty of good food and drink (if you partake).

I am currently lurking in the background of this Group as I have some health problems to conquer. Hopefully I will soon be well again and more active in 2012.

Best Wishes to all

Fraser

558. RE: [Lowe_Receivers] Merry Christmas from Fraser (Group Owner)

Yahoo group: Lowe_Receivers
Date: 2011-12-24 23:58:19 UTC
From: Robert Allen
Topic: 557 Message: 558

Fraser, I hope you are successful in conquering your health problems. Your technical contributions as well as helpful tone are much valued by us all I think.

Best regards,

Robert

559. Re: Merry Christmas from Fraser (Group Owner)

Yahoo group: Lowe_Receivers
Date: 2011-12-25 11:33:00 UTC
From: driftermick
Topic: 557 Message: 559

--- In Lowe_Receivers@yahoogroups.com, "Fraser " <fraser.castle@...> wrote:
>
>
> Merry Christmas to all members of this Group :-)
>
> I hope you have an enjoyable day of celebrations, not to mention plenty of good food and drink (if you partake).
>
> I am currently lurking in the background of this Group as I have some health problems to conquer. Hopefully I will soon be well again and more active in 2012.
>
> Best Wishes to all
>
> Fraser
>

Fraser. Best of the Holidays to you my friend. So sorry for your health, please take care of yourself. Hope to see your welcome posts in the new year.

Drifter...

560. Re: [Lowe_Receivers] Merry Christmas from Fraser (Group Owner)

Yahoo group: Lowe_Receivers
Date: 2011-12-25 16:22:15 UTC
From: J FLETCHER
Topic: 557 Message: 560

Hello Fraser,

I wish you a full and speedy recovery from your health problems and look forward to reading more from you in the new year. To all in this group, season's greetings and good health for 2012.

John

--- On Sat, 24/12/11, Fraser <fraser.castle@...> wrote:

From: Fraser <fraser.castle@...>
Subject: [Lowe_Receivers] Merry Christmas from Fraser (Group Owner)
To: Lowe_Receivers@yahoogroups.com
Date: Saturday, 24 December, 2011, 23:51

Merry Christmas to all members of this Group :-)

I hope you have an enjoyable day of celebrations, not to mention plenty of good food and drink (if you partake).

I am currently lurking in the background of this Group as I have some health problems to conquer. Hopefully I will soon be well again and more active in 2012.

Best Wishes to all

Fraser

561. Re: [Lowe_Receivers] Merry Christmas from Fraser (Group Owner)

Yahoo group: Lowe_Receivers
Date: 2011-12-26 11:25:55 UTC
From: N.A.Janardan Rao
Topic: 557 Message: 561

Fraser, I am sorry to hear that you have a health problem which needs conquering. I hope it is not too serious or debilitating; as one who seems to have done the conquering over many years, I ask that you keep up the spirit and win! You are very special to me and will need to be posted on your progress. Janardan.

--- On Sat, 12/24/11, Fraser <fraser.castle@...> wrote:

From: Fraser <fraser.castle@...>
Subject: [Lowe_Receivers] Merry Christmas from Fraser (Group Owner)
To: Lowe_Receivers@yahoogroups.com
Date: Saturday, December 24, 2011, 11:51 PM

Merry Christmas to all members of this Group :-)

I hope you have an enjoyable day of celebrations, not to mention plenty of good food and drink (if you partake).

I am currently lurking in the background of this Group as I have some health problems to conquer. Hopefully I will soon be well again and more active in 2012.

Best Wishes to all

Fraser

562. Thank you from Fraser

Yahoo group: Lowe_Receivers
Date: 2011-12-28 15:52:27 UTC
From: Fraser
Topic: 562 Message: 562

Just a little 'Thank You' from me to all those who have kindly expressed concern over my current health. Your kind thoughts are much appreciated. I am pleased to say that I will recover fully...it will just be a pretty slow process.

Thanks again

Best wishes

Fraser

563. New member

Yahoo group: Lowe_Receivers
Date: 2012-01-29 18:44:25 UTC
From: Dan
Topic: 563 Message: 563

Looking forward to exchanging info with other HF-250 E owners...thanks

564. WTB: Lowe HF-225

Yahoo group: Lowe_Receivers
Date: 2012-02-07 22:57:44 UTC
From: cdorn@telusplanet.net
Topic: 564 Message: 564

Anyone have an HF-225 that they'd be willing to part with at reasonable cost? Been on the hunt for one for some time.

Thanks,
Chris VE6IY (Canada)

565. Re: [Lowe_Receivers] Digest Number 249

Yahoo group: Lowe_Receivers
Date: 2012-02-08 14:40:44 UTC
From: Dale Parfitt
Topic: 565 Message: 565

Lowe ReceiversThere is one being advertised on the QTH swap site:
Ad Number:966996
Date Placed:01/28/12
Name:peter morales
Phone Number:626-482-7213
Callsign:NONE
Category:RADIOHF
Heading:REDUCED-For Sale--Lowe HF-225 EUROPA
Ad Message:great cond.-keypad-man.-p.s--must sell now--- not too many
around-$460 includes shipping

Dale W4OP
----- Original Message -----
From: Lowe_Receivers@yahoogroups.com
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, February 08, 2012 3:28 AM
Subject: [Lowe_Receivers] Digest Number 249

Lowe Receivers
Messages In This Digest (1 Message)
1. WTB: Lowe HF-225 From: cdorn@...
View All Topics | Create New Topic Message
1. WTB: Lowe HF-225
Posted by: "cdorn@..." cdorn@... ve6rdc
Tue Feb 7, 2012 2:57 pm (PST)

Anyone have an HF-225 that they'd be willing to part with at reasonable
cost? Been on the hunt for one for some time.

Thanks,
Chris VE6IY (Canada)

Back to top Reply to sender | Reply to group | Reply via web post
Messages in this topic (1) Recent Activity
Visit Your Group
Yahoo! Groups
Mental Health Zone
Bi-polar disorder
Find support

Sitebuilder
Build a web site
quickly & easily
with Sitebuilder.

Yahoo! Finance
It's Now Personal

Guides, news,
advice & more.

Need to Reply?
Click one of the "Reply" links to respond to a specific message in the Daily Digest.Create New Topic | Visit Your Group on the Web
Messages | Files | Photos | Links | Database | Polls | Calendar

Change settings via the Web (Yahoo! ID required)
Change settings via email: Switch delivery to Individual | Switch format to Traditional
Visit Your Group | Yahoo! Groups Terms of Use | Unsubscribe

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4794 - Release Date: 02/07/12

566. Re: Digest Number 249

Yahoo group: Lowe_Receivers
Date: 2012-02-08 20:21:36 UTC
From: cdorn@telusplanet.net
Topic: 565 Message: 566

Thanks for the thought Dale. The seller will not ship to Canada. Seems to be more the norm these days. Still in the hunt. All the best...

Chris

--- In Lowe_Receivers@yahoogroups.com, "Dale Parfitt" <parinc1@...> wrote:
>
> Lowe ReceiversThere is one being advertised on the QTH swap site:
>
> Dale W4OP
> ----- Original Message -----
>
>
>
> Anyone have an HF-225 that they'd be willing to part with at reasonable
> cost? Been on the hunt for one for some time.
>
> Thanks,
> Chris VE6IY (Canada)
>

567. Re: Digest Number 249

Yahoo group: Lowe_Receivers
Date: 2012-02-08 21:44:14 UTC
From: dalziel5853
Topic: 565 Message: 567

There's one on eBay UK at the moment (local to me, oddly enough), search for item #270907454966. Has the Sync/FM option judging by the photos, and seems he'll ship worldwide.

Worth a try? I don't know your price range, but the last one (with a non-original tuning knob and mains supply) went for £175, or about 275 dollars.

Regards,

Dave

568. Question for HF-250 owners

Yahoo group: Lowe_Receivers
Date: 2012-02-12 18:10:57 UTC
From: Dan
Topic: 568 Message: 568

Have unwrapped my HF-250E and having a good time with it so far.

Question for 250 owners -- the power supply I received with the radio is a 240 v Euro pin type.

I have been running it on various 10 to 12VDC power supplies and notice a rather loud hum over the speaker and am assuming this would be eliminated or minimized with the original Lowe power supply.

Anyone have any experience with this?

Thanks

569. Re: Question for HF-250 owners

Yahoo group: Lowe_Receivers
Date: 2012-02-12 18:55:07 UTC
From: swradioman
Topic: 568 Message: 569

Hi Dan,
Yes, I have noticed that if the power supply is not a properly designed class 2 variety, you will get either a lot of extra noise, a lot of hum, or both. Sometimes it takes some experimenting as it is not always obvious if the adaptor will work with the unit until it is tried. I have yet to find a sure fire method of knowing this prior to purchasing one.

But to answer your question, you will not require an original Lowe PS, but will need to find one that is designed for use with radios so that you do not experience the hum or noise.

Randy

--- In Lowe_Receivers@yahoogroups.com, "Dan" <darobin12001@...> wrote:
>
> Have unwrapped my HF-250E and having a good
> time with it so far.
>
> Question for 250 owners -- the power supply I
> received with the radio is a 240 v Euro pin type.
>
> I have been running it on various 10 to 12VDC
> power supplies and notice a rather loud hum
> over the speaker and am assuming this would be
> eliminated or minimized with the original Lowe
> power supply.
>
> Anyone have any experience with this?
>
> Thanks
>

570. Re: Question for HF-250 owners

Yahoo group: Lowe_Receivers
Date: 2012-02-13 08:43:46 UTC
From: DonW
Topic: 568 Message: 570

I have noticed the same with the power supply I received with my most recent purchase of a HF-225 Europa, however, I do not notice any hum or interference with the original power supply received with my first HF-225 purchased used from Great Britain. The later was a 240 volt power supply but the plastic case was screwed together rather than being epoxied or sonic welded. I replaced the plug end and the original 240 volt transformer inside the plastic case with a 120 volt transformer from a local electronics supply house having a similar 14 volt output rather than using the switcher type power supplies sold for many electronic devices today. Works great with no noise.

--- In Lowe_Receivers@yahoogroups.com, "Dan" <darobin12001@...> wrote:
>
> Have unwrapped my HF-250E and having a good
> time with it so far.
>
> Question for 250 owners -- the power supply I
> received with the radio is a 240 v Euro pin type.
>
> I have been running it on various 10 to 12VDC
> power supplies and notice a rather loud hum
> over the speaker and am assuming this would be
> eliminated or minimized with the original Lowe
> power supply.
>
> Anyone have any experience with this?
>
> Thanks
>

571. Re: Question for HF-250 owners

Yahoo group: Lowe_Receivers
Date: 2012-02-13 14:49:06 UTC
From: Dale Parfitt
Topic: 568 Message: 571

Many of the avialble wall wart type supplies that are available today are switchers. They may be OK for a consumer appliance, but can generate a lot of broadband noise when used on a receiver. The older style regulated analog supplies will work fine.
I opened up an 18VDC analog wall wart and installed a 7812 regulator and stabilization caps- works great on my HF150.

Dale W4OP

572. Re: Question for HF-250 owners

Yahoo group: Lowe_Receivers
Date: 2012-02-13 19:50:01 UTC
From: pete225428
Topic: 568 Message: 572

Circumstances dictate that I cannot erect a proper aerial, or perhaps more importantly, have a decent ground for the aerial. I run my HF 150 from a 12V wall-wart and have problems with hum, unless I ground the radio (to the mains earth). I guess that the original Lowe power supply had either a continuous ground (from mains through to 12V out), or employed an electrostatic screen in the transformer. Most wall-warts that I've encountered are not grounded - some don't even have a ground pin!

573. RE: [Lowe_Receivers] Re: Question for HF-250 owners

Yahoo group: Lowe_Receivers
Date: 2012-02-13 20:01:22 UTC
From: Robert Allen
Topic: 568 Message: 573

You might consider something like an Astron power supply instead of wall wart. They make two kinds and we'd want the non-switching type. The very cheapest one should have more power than any RX will ever need. They also show up used on ebay sometimes, but be sure you get the R series, regulated, not the switched ones.

Robert

-----Original Message-----
From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of pete225428
Sent: Monday, February 13, 2012 11:50 AM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Re: Question for HF-250 owners

Circumstances dictate that I cannot erect a proper aerial, or perhaps more importantly, have a decent ground for the aerial. I run my HF 150 from a 12V wall-wart and have problems with hum, unless I ground the radio (to the mains earth). I guess that the original Lowe power supply had either a continuous ground (from mains through to 12V out), or employed an electrostatic screen in the transformer. Most wall-warts that I've encountered are not grounded - some don't even have a ground pin!

574. Re: Question for HF-250 owners

Yahoo group: Lowe_Receivers
Date: 2012-02-15 18:35:46 UTC
From: drunkenstein30
Topic: 568 Message: 574

```
>
> I have been running it on various 10 to 12VDC
> power supplies and notice a rather loud hum
> over the speaker and am assuming this would be
> eliminated or minimized with the original Lowe
> power supply.
>
> Anyone have any experience with this?
>
Hello.
I had problem like this but I found how to fix it.
I don't know who wrote this but here it is....
---------------------------------------------------------------------------
If you are using a regulated power supply for your HF-225 because 12 volt wallwarts give
you hum, you don't have to. I found that a wallwart initially caused excessive hum in the
internal speaker, however, when I plugged in an external speaker the hum wasn't there. Take
a look at the schematic where it shows how the headphone jack, external speaker jack and
internal speaker are wired in series thru switched type jacks. Notice where the internal
speaker is returned NOT to ground but to the B+ thru a capacitor with a 1K resistor around
it! What the hell is this? No wonder there's hum with the internal speaker. Any ripple on
the B+ goes thru the speaker! The external speaker, when plugged in, is returned directly
to gnd (where it should be!) and, hence, no hum. Solution: wire jumper the 1K resistor
R-139 (or just remove it and replace with a jumper wire if you must be neat). Now any of my
12V wallwarts will run the radio with no hum.
---------------------------------------------------------------------------

Lowe HF-250C 'Collins inside' my own mod.
```

575. Custom HF-150

Yahoo group: Lowe_Receivers
Date: 2012-02-15 20:32:25 UTC
From: dalziel5853
Topic: 575 Message: 575

Hi all,

I'm intrigued by this "Custom Edition" HF-150 currently to be found on eBay:

http://www.ebay.co.uk/itm/260957920368?ssPageName=STRK:MEWAX:IT&_trksid=p3984.m1423.l2649

I only ask out of curiosity - it's priced way out of my range - but have any Dutch readers come across anything like this before? Unfortunately, the listing (like all the listings for this seller, as far as I can see) is somewhat cluttered with distracting imagery, so you'll have to scroll waaaay down to see the actual photos.

What does everyone think?

-Dave

576. RE: [Lowe_Receivers] Custom HF-150

Yahoo group: Lowe_Receivers
Date: 2012-02-15 20:43:30 UTC
From: Robert Allen
Topic: 575 Message: 576

Looks like one of the SMC HF-150's mounted in a box with a keypad, nothing more.

Robert

-----Original Message-----
Subject: [Lowe_Receivers] Custom HF-150

Hi all,

I'm intrigued by this "Custom Edition" HF-150 currently to be found on eBay:

http://www.ebay.co.uk/itm/260957920368?ssPageName=STRK:MEWAX:IT&_trksid=p3984.m1423.l2649

I only ask out of curiosity - it's priced way out of my range - but have any Dutch readers come across anything like this before? Unfortunately, the listing (like all the listings for this seller, as far as I can see) is somewhat cluttered with distracting imagery, so you'll have to scroll waaaay down to see the actual photos.

577. Re: Custom HF-150

Yahoo group: Lowe_Receivers
Date: 2012-02-15 21:23:41 UTC
From: dalziel5853
Topic: 575 Message: 577

```
>
> Looks like one of the SMC HF-150's mounted in a box with a keypad, nothing
> more.
>
```

Yes, I'd kind of deduced that... I was more interested in the "custom" aspect of it, the actual purpose for which it was made. Seems unlikely to be "maybe the only one on this planet" as the seller claims.

Dave

578. Re: [Lowe_Receivers] Custom HF-150

Yahoo group: Lowe_Receivers
Date: 2012-02-16 19:09:13 UTC
From: Paul Jinks
Topic: 575 Message: 578

Just looks like a regular H150 with a regular HF150 keypad mounted next
to it on a plate of metal.

-PAUL

On 15/02/2012 20:32, dalziel5853 wrote:
> Hi all,
>
> I'm intrigued by this "Custom Edition" HF-150 currently to be found on eBay:
>
>
http://www.ebay.co.uk/itm/260957920368?ssPageName=STRK:MEWAX:IT&_trksid=p3984.m1423.l2649
>
> I only ask out of curiosity - it's priced way out of my range - but have any Dutch
readers come across anything like this before? Unfortunately, the listing (like all the
listings for this seller, as far as I can see) is somewhat cluttered with distracting
imagery, so you'll have to scroll waaaay down to see the actual photos.
>
> What does everyone think?
>
> -Dave
>
>
>

579. Re: Custom HF-150

Yahoo group: Lowe_Receivers
Date: 2012-02-16 21:12:54 UTC
From: dalziel5853
Topic: 575 Message: 579

Ah, well. Thanks for your input, both of you.

Dave

580. Re: Question for HF-250 owners

Yahoo group: Lowe_Receivers
Date: 2012-02-17 01:07:02 UTC
From: mikey
Topic: 568 Message: 580

I am pretty sure that was Frank Cathill (he is quite a smart radio guy and has been a great asset to the hobby)

--- In Lowe_Receivers@yahoogroups.com, "drunkenstein30" <ktu@...> wrote:
>
>
> >
> > I have been running it on various 10 to 12VDC
> > power supplies and notice a rather loud hum
> > over the speaker and am assuming this would be
> > eliminated or minimized with the original Lowe
> > power supply.
> >
> > Anyone have any experience with this?
> >
> Hello.
> I had problem like this but I found how to fix it.
> I don't know who wrote this but here it is....
> ---
> If you are using a regulated power supply for your HF-225 because 12 volt wallwarts give you hum, you don't have to. I found that a wallwart initially caused excessive hum in the internal speaker, however, when I plugged in an external speaker the hum wasn't there. Take a look at the schematic where it shows how the headphone jack, external speaker jack and internal speaker are wired in series thru switched type jacks. Notice where the internal speaker is returned NOT to ground but to the B+ thru a capacitor with a 1K resistor around it! What the hell is this? No wonder there's hum with the internal speaker. Any ripple on the B+ goes thru the speaker! The external speaker, when plugged in, is returned directly to gnd (where it should be!) and, hence, no hum. Solution: wire jumper the 1K resistor R-139 (or just remove it and replace with a jumper wire if you must be neat). Now any of my 12V wallwarts will run the radio with no hum.
> ---
>
>
> Lowe HF-250C 'Collins inside' my own mod.
>

581. Re: Question for HF-250 owners

Yahoo group: Lowe_Receivers
Date: 2012-02-18 16:31:13 UTC
From: Dan
Topic: 568 Message: 581

Thanks -- I have a Astron VLS-25M
which as you note should be more than
enough -- has anyone used the Astron's
with the Lowe HF-250??

--- In Lowe_Receivers@yahoogroups.com, "Robert Allen" <rallen@...> wrote:
>
> You might consider something like an Astron power supply instead of wall
> wart. They make two kinds and we'd want the non-switching type. The very
> cheapest one should have more power than any RX will ever need. They also
> show up used on ebay sometimes, but be sure you get the R series, regulated,
> not the switched ones.
>
> Robert
>
> -----Original Message-----
> From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
> On Behalf Of pete225428
> Sent: Monday, February 13, 2012 11:50 AM
> To: Lowe_Receivers@yahoogroups.com
> Subject: [Lowe_Receivers] Re: Question for HF-250 owners
>
> Circumstances dictate that I cannot erect a proper aerial, or perhaps more
> importantly, have a decent ground for the aerial. I run my HF 150 from a 12V
> wall-wart and have problems with hum, unless I ground the radio (to the
> mains earth). I guess that the original Lowe power supply had either a
> continuous ground (from mains through to 12V out), or employed an
> electrostatic screen in the transformer. Most wall-warts that I've
> encountered are not grounded - some don't even have a ground pin!
>

582. Dennis Hanley's Keypad

Yahoo group: Lowe_Receivers
Date: 2012-03-06 00:06:59 UTC
From: Gus
Topic: 582 Message: 582

I would like to put a good word for Dennis.

I ordered one of his keypads last Thursday March 1st at 10 PM Eastern time.
By Friday, the next day, it was built AND shipped.
When I got home today, March 5th it was waiting for me. I am in Florida.
It took me no time to hook it up and start enjoying it!
Thank you Dennis, EXCELLENT job, very nice product, makes a big difference to be able to direct entry frequencies.

Gus
73

583. Unique Lowe HF-150 combination on Ebay

Yahoo group: Lowe_Receivers
Date: 2012-03-26 20:50:01 UTC
From: henrik.nu@gmail.com
Topic: 583 Message: 583

```
May be of interest to our membes:
Lowe HF-150 etc on Ebay
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=180851295335#ht_500w\
t_1156>
```

584. Re: Unique Lowe HF-150 combination on Ebay

Yahoo group: Lowe_Receivers
Date: 2012-03-27 14:41:12 UTC
From: driftermick
Topic: 583 Message: 584

--- In Lowe_Receivers@yahoogroups.com, henrik.nu@... wrote:
>
> May be of interest to our membes:
> Lowe HF-150 etc on Ebay
> <http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=180851295335#ht_500w\
> t_1156>
>

Henrik.

The rack set-up comes up maybe once or twice a year. Cool set-up. I have 2 of these in my collection. One was new, the other I picked up in a trade. Not only looks good, but works great. Few years ago, I had 3 of the 235's, and a collector out of Canada traded as part payment on 1 of these. I liked it so much, I ordered one in from the UK. Awhile back this was one of those "Have-To-Have" items. They were going for big bucks. One last year, Sept. or Oct. IIRC, went into a bidding war and ended up going over $2500. Much more than I would ever pay. So, if this one goes for $1K to $1.5K, I would say a good buy. Think I will keep a eye on this. Thanks for the post.

Drifter...

585. HF-235 for sale

Yahoo group: Lowe_Receivers
Date: 2012-03-28 21:42:39 UTC
From: mikey
Topic: 585 Message: 585

I have an HF-235 for sale. email me direct and we can discuss a price.

586. Re: [Lowe_Receivers] HF-235 for sale

Yahoo group: Lowe_Receivers
Date: 2012-03-28 23:50:24 UTC
From: Gus Schabas
Topic: 585 Message: 586

Hello Mike

For a while I thought you were a scammer, you have no idea how many of them have replied.
I have seen you on qth.com, even though you are not a Ham, I know you're legit.

Talk to me about your radio.
Tks, Gus,73

Always remember to forget the troubles that pass your way; BUT NEVER forget the blessings that come each day

Today is tomorrow's "Good Old Days"

From: mikey <mikemaghakian@...>
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, March 28, 2012 5:42 PM
Subject: [Lowe_Receivers] HF-235 for sale

I have an HF-235 for sale. email me direct and we can discuss a price.

587. Re: Unique Lowe HF-150 combination on Ebay

Yahoo group: Lowe_Receivers
Date: 2012-03-29 18:48:54 UTC
From: Henrik Karlsson
Topic: 583 Message: 587

Sorry for the somewhat late reply but I´m actually the seller of this setup so please feel free to ask questions folks! :-) Preferably via my gmail address found above.

588. Re: HF-235 for sale

Yahoo group: Lowe_Receivers
Date: 2012-03-31 03:08:24 UTC
From: Mike
Topic: 585 Message: 588

Mike is very legit. I've operated a receiver he sold on Ebay to another guy. Excellent working and cosmetic radio.

589. Re: Question for HF-250 owners

Yahoo group: Lowe_Receivers
Date: 2012-03-31 03:16:20 UTC
From: Mike
Topic: 568 Message: 589

I have an Astron 35M and it works perfectly quiet on a Lowe HF 225.
I have tried many others, none of them are quiet, like the Astron is. Even a high power 3 amp regulated (RadioShack) supply (not a switcher) creates a terrible hash.

But there are many cheaper ones that will work fine, trial and error is only way to be sure. The old Kenwood PSU's for the R75 were very quiet. Their new ones aren't (or so I read).

The 35M could run 25 Lowe Recievers all at once, it is overkill, amperage wise, price wise.

590. Unique Lowe HF-150 combination on Ebay

Yahoo group: Lowe_Receivers
Date: 2012-04-02 16:18:32 UTC
From: henrik.nu@gmail.com
Topic: 583 Message: 590

```
Only a few hours left now:
Lowe HF-150, PR-150, AP-150 + rack on Ebay
<http://www.ebay.com/itm/ws/eBayISAPI.dll?ViewItem&item=180851295335#ht_\
500wt_1202>
```

591. Re: Unique Lowe HF-150 combination on Ebay

Yahoo group: Lowe_Receivers
Date: 2012-04-03 14:29:18 UTC
From: driftermick
Topic: 583 Message: 591

WOW! Some body got a good buy.

Drifter...

--- In Lowe_Receivers@yahoogroups.com, henrik.nu@... wrote:
>
> Only a few hours left now:
> Lowe HF-150, PR-150, AP-150 + rack on Ebay
> <http://www.ebay.com/itm/ws/eBayISAPI.dll?ViewItem&item=180851295335#ht_\
> 500wt_1202>
>

592. Lowe HF-150 frequency alignment

Yahoo group: Lowe_Receivers
Date: 2012-04-06 12:02:53 UTC
From: enriqueeeeee2001
Topic: 592 Message: 592

Hi all,

It is almost a year since I bought a nice HF-150 receiver, I am quite glad with this litte jewel but unfortunately time passes and it seems to be fractionally off frequency perhaps by 15 or 20Hz.

I would be very pleased if somebody could comfirm the steps for the alignment since I have a doubt in the last step. Thanks in advance.

The service manual,page 25 point 4, says:

4.1 With the TEST message displayed, connect a frequency counter to TP6 (audio).

4.2 Press the MODE button
Adjust TC2 for a reading of 3234Hz +/-10Hz

4.3 Press the FAST button
Adjust VR1 for a reading 8Hz above that in (4.2)above.

My question: I understand that if for example I adjust TC2 on 3234Hz
I would have to adjust VR1 on 3242Hz. Is that correct or I am wrong?

I would like to buy another receiver serious DXing,is it worth a 7030+ or with the HF-150 would be enough?

Regards

593. Re: Lowe HF-150 frequency alignment

Yahoo group: Lowe_Receivers
Date: 2012-04-10 19:07:13 UTC
From: crabtreejr
Topic: 592 Message: 593

Hello Enrique

You are correct. Please let us know how you get on.

73 John KC0G

--- In Lowe_Receivers@yahoogroups.com, "enriqueeeeee2001" <enriqueeeeee2001@...> wrote:
>
> Hi all,
>
> It is almost a year since I bought a nice HF-150 receiver, I am quite glad with this litte jewel but unfortunately time passes and it seems to be fractionally off frequency perhaps by 15 or 20Hz.
>
> I would be very pleased if somebody could comfirm the steps for the alignment since I have a doubt in the last step. Thanks in advance.
>
> The service manual,page 25 point 4, says:
>
> 4.1 With the TEST message displayed, connect a frequency counter to TP6 (audio).
>
> 4.2 Press the MODE button
> Adjust TC2 for a reading of 3234Hz +/-10Hz
>
> 4.3 Press the FAST button
> Adjust VR1 for a reading 8Hz above that in (4.2)above.
>
>
> My question: I understand that if for example I adjust TC2 on 3234Hz
> I would have to adjust VR1 on 3242Hz. Is that correct or I am wrong?
>
> I would like to buy another receiver serious DXing,is it worth a 7030+ or with the HF-150 would be enough?
>
> Regards
>

594. SRX30D - Workshop Manual

Yahoo group: Lowe_Receivers
Date: 2012-04-18 19:44:14 UTC
From: oldengineer11
Topic: 594 Message: 594

I have the standard use manual, schematic, etc., but I have read somewhere or other of the existence of a "Workshop Manual". Does this exist ? Can anyone post it here, or tell me where to get it, please ?

I am really after some tuning instructions. My set seems rather deaf.

Thanks for any help.

Alan
G7DCF

595. Re: SRX30D - Workshop Manual

Yahoo group: Lowe_Receivers
Date: 2012-04-19 17:58:08 UTC
From: mikey
Topic: 594 Message: 595

if someone could post a PDF copy to the files section that would be great

--- In Lowe_Receivers@yahoogroups.com, "oldengineer11" <snappa09@...> wrote:
>
> I have the standard use manual, schematic, etc., but I have read somewhere or other of the existence of a "Workshop Manual". Does this exist ? Can anyone post it here, or tell me where to get it, please ?
>
> I am really after some tuning instructions. My set seems rather deaf.
>
> Thanks for any help.
>
> Alan
> G7DCF
>

596. NRD 535DG - LOWE Version

Yahoo group: Lowe_Receivers
Date: 2012-04-23 21:50:30 UTC
From: dfas_eu
Topic: 596 Message: 596

I have a NRD535DG - LOWE Version with Paperwork from Lowe about the modifications they did. Has anyone any information how many of those NRDs where modified? I posted some pictures so you can see for yourself.
Thanks

597. NRD 535DG □LOWE modified□

Yahoo group: Lowe_Receivers
Date: 2012-04-24 05:24:31 UTC
From: dfas_eu
Topic: 597 Message: 597

Has anyone some Info on a NRD535DG with a label on the front from LOWE? I have all paperwork with it too □ also a test report from LOWE and the documentation what was modified. How many did Lowe modify?

Any Info welcome

Thanks

Harry

603. SPAM - little blighters managed to penetrate the defences - messages deleted.

Yahoo group: Lowe_Receivers
Date: 2012-04-25 21:03:35 UTC
From: Fraser
Topic: 603 Message: 603

Hi All,

It would appear that a SPAMMER has hijacked some of this groups user accounts. I have deleted the offending messages (and accidentally a warning about them, sorry) I will endevour to delete any and all such messages, but please apply caution to any message that suggests you click on a link. Carefully consider the context of the messsage first.

Best Wishes

Fraser

606. Lowe SRX350D

Yahoo group: Lowe_Receivers
Date: 2012-05-02 08:37:28 UTC
From: Tracey Gardner
Topic: 606 Message: 606

Has anybody on the list ever heard of a Lowe SRX350D.
It sounds like it may be a scanner to me but a Google search throws nothing up

Thanks

Tracey

607. Re: [Lowe_Receivers] Lowe SRX350D

Yahoo group: Lowe_Receivers
Date: 2012-05-02 10:32:07 UTC
From: a aa
Topic: 606 Message: 607

Was it a SRX 350 or HF350? If HF 350 that is simply the Plastar R-30. Not sure if the filter are the same or different to the US version.

On 2 May 2012 04:37, Tracey Gardner <tracey.gardner@...> wrote:

> Has anybody on the list ever heard of a Lowe SRX350D.
> It sounds like it may be a scanner to me but a Google search throws nothing
> up
>
> Thanks
>
> Tracey
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

608. Re: [Lowe_Receivers] Lowe SRX350D

Yahoo group: Lowe_Receivers
Date: 2012-05-02 11:12:29 UTC
From: Tracey Gardner
Topic: 606 Message: 608

No it is definitely an SRX350D.
I have an application to join the group and the applicant claims to have just bought an SRX350D.
I have a suspicion that it is an application from a scammer.
He confirmed the receiver model, when I queried it.

Tracey

----- Original Message -----
From: a aa
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, May 02, 2012 11:32 AM
Subject: Re: [Lowe_Receivers] Lowe SRX350D

Was it a SRX 350 or HF350? If HF 350 that is simply the Plastar R-30. Not sure if the filter are the same or different to the US version.

On 2 May 2012 04:37, Tracey Gardner <tracey.gardner@...> wrote:

Has anybody on the list ever heard of a Lowe SRX350D.
It sounds like it may be a scanner to me but a Google search throws nothing
up

Thanks

Tracey

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2411/4972 - Release Date: 05/01/12

609. Re: [Lowe_Receivers] Lowe SRX350D

Yahoo group: Lowe_Receivers
Date: 2012-05-02 11:18:16 UTC
From: a aa
Topic: 606 Message: 609

Interesting, I don't remember an SRX 350, but then I am not into scanners.

Please update us when you have additional information.

On 2 May 2012 07:12, Tracey Gardner <tracey.gardner@...> wrote:

> **
>
>
>
> No it is definitely an SRX350D.
> I have an application to join the group and the applicant claims to have
> just bought an SRX350D.
> I have a suspicion that it is an application from a scammer.
> He confirmed the receiver model, when I queried it.
>
> Tracey
>
>
>
>
>
> ----- Original Message -----
> *From:* a aa <classwp@...>
> *To:* Lowe_Receivers@yahoogroups.com
> *Sent:* Wednesday, May 02, 2012 11:32 AM
> *Subject:* Re: [Lowe_Receivers] Lowe SRX350D
>
> Was it a SRX 350 or HF350? If HF 350 that is simply the Plastar R-30. Not
> sure if the filter are the same or different to the US version.
>
> On 2 May 2012 04:37, Tracey Gardner <tracey.gardner@...> wrote:
>
>> Has anybody on the list ever heard of a Lowe SRX350D.
>> It sounds like it may be a scanner to me but a Google search throws
>> nothing
>> up
>>
>> Thanks
>>
>> Tracey
>>
>>
>>
>> ------------------------------------
>>

>> Yahoo! Groups Links
>>
>>
>>
>>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2411/4972 - Release Date: 05/01/12
>
>
>
>

610. Re: Lowe SRX350D

Yahoo group: Lowe_Receivers
Date: 2012-05-02 16:00:20 UTC
From: Fraser
Topic: 606 Message: 610

--- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <tracey.gardner@...> wrote:
>
> Has anybody on the list ever heard of a Lowe SRX350D.
> It sounds like it may be a scanner to me but a Google search throws nothing
> up
>
> Thanks
>
> Tracey
>

Tracy,

I don't have a problem letting him join the Group. The SRX350D does not exist, and HF350 does. It may well be that the applicant has a "customised" receiver that someone has incorrectly labelled SRX350... I have seen some real oddities sold as Lowe XXXXXX models.

I will place the applicant on moderation until we know the situation.

Regards

Fraser

611. Re: Lowe SRX350D

Yahoo group: Lowe_Receivers
Date: 2012-05-02 16:16:27 UTC
From: Fraser
Topic: 606 Message: 611

I have messaged the applicant, and placed him on moderation until the matter is resolved. I never like to risk turning a genuine person away but we don't want any more Spam issues either. Thanks for looking into this Tracey.

Kind Regards

Fraser

Fraser

--- In Lowe_Receivers@yahoogroups.com, "Fraser " <fraser.castle@...> wrote:
>
>
>
> --- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <tracey.gardner@> wrote:
> >
> > Has anybody on the list ever heard of a Lowe SRX350D.
> > It sounds like it may be a scanner to me but a Google search throws nothing
> > up
> >
> > Thanks
> >
> > Tracey
> >
>
>
> Tracy,
>
> I don't have a problem letting him join the Group. The SRX350D does not exist, and HF350 does. It may well be that the applicant has a "customised" receiver that someone has incorrectly labelled SRX350... I have seen some real oddities sold as Lowe XXXXXX models.
>
> I will place the applicant on moderation until we know the situation.
>
> Regards
>
> Fraser
>

612. Re: [Lowe_Receivers] Re: Lowe SRX350D

Yahoo group: Lowe_Receivers
Date: 2012-05-02 18:14:00 UTC
From: crabtreejr@aol.com
Topic: 606 Message: 612

A picture would tell a thousand words.....

In a message dated 5/2/2012 11:28:50 AM Central Daylight Time,
fraser.castle@... writes:
> --- In Lowe_Receivers@yahoogroups.com, "Tracey Gardner" <
> tracey.gardner@...> wrote:
> >
> > Has anybody on the list ever heard of a Lowe SRX350D.
> > It sounds like it may be a scanner to me but a Google search throws
> nothing
> > up
> >
> > Thanks
> >
> > Tracey
> >
>
> Tracy,
>
> I don't have a problem letting him join the Group. The SRX350D does not
> exist, and HF350 does. It may well be that the applicant has a "customised"
> receiver that someone has incorrectly labelled SRX350... I have seen some
> real oddities sold as Lowe XXXXXX models.
>
> I will place the applicant on moderation until we know the situation.
>
> Regards
>
> Fraser
>

613. Re: Lowe SRX350D

Yahoo group: Lowe_Receivers
Date: 2012-05-02 18:34:35 UTC
From: Fraser
Topic: 606 Message: 613

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
>
> A picture would tell a thousand words.....
>

Indeed, I have suggested such to the new arrival ;-)

I hope we are not going to discover that he has been mislead when he purchased the unit.

Fraser

614. Re: [Lowe_Receivers] Lowe SRX350D

Yahoo group: Lowe_Receivers
Date: 2012-05-03 12:39:14 UTC
From: Mike L
Topic: 606 Message: 614

On 02/05/2012 11:12:29, Tracey Gardner (tracey.gardner@...) wrote:
> No it is definitely an SRX350D.
> I have an application to join the group and the applicant claims to have
> just bought an SRX350D.
> I have a suspicion that it is an application from a scammer.
> He confirmed the receiver model, when I queried it.
>
> Tracey

Hi Guys,
Just wondering if it's an RX-350D, this is a TenTec HF desktop box with
the additional 12kHz output for decoding DRM stations using the DREAM
software.

Cheers
Mike L

615. Re: Lowe SRX350D should be SRX30D

Yahoo group: Lowe_Receivers
Date: 2012-05-04 07:46:26 UTC
From: Jon
Topic: 615 Message: 615

Hello

It was me that sent the request ☐ I apologise ☐ the receiver is the SRX30D

Now to the challenge ☐

Firstly, receiver seems to function on strong signal but the RF knob when turned has no effect at all!

Secondly, when the mode select knob is rotated, there is no function on AM.
SSB and FM ☐seem☐ to function.

Finally, üne display character is also missing its capacity to light up one element (cant see the difference between 3 and 9).

Any suggestions

Jon G8KJI

616. Re: [Lowe_Receivers] Re: Lowe SRX350D should be SRX30D

Yahoo group: Lowe_Receivers
Date: 2012-05-04 15:26:37 UTC
From: crabtreejr@aol.com
Topic: 615 Message: 616

Hello Jon

Welcome to the group.

First some backgroumd. The Lowe SRX30 and SRX30D were rebadged Century 21 and 21D receivers. The SRX30D was a considerable improvement over the SRX30, used Plessey double balanced mixers, and according to Fred Osterman's book "Shortwave Receivers: Past and Present", was sold from 1980-1982. Information on either receiver is thin on the ground.

I presume that you have the user manual, which, I believe, has schematics. If not there is a user manual with schematics for the Century 21D in the files section of this group (under SRX30D).

Now to your questions:

1. My understanding from the schematic is that the RF gain control is across the antenna input. Has it been disconnected?

2. The good news is that the SSB detector is working. The AM detector circuit is in parallel, and selected by diode switching. Take a look at the mode switch where the AM B+ switched supply comes from. Also, does this radio really receive FM?

3. The display circuitry uses two OKI MSM5525RS counter / display driver chips. I had thought that these were unobtainable, but apparently www.littlediode.com has them at 10GBP each. Not cheap. The MSM5525RS will drive vacuum fluorescent displays directly, and LED's with additional drivers. These are shown on the schematic. You need to determine if the MSM5525RS, driver or LED is faulty.

I have data here on the MSM5525RS from a ca. 1980 Ambit International catalogue. I can scan it if you wish. The outputs are FET's which are switched on to light the display, and otherwise left floating. Before doing any tests I would start by deterinming whether thre LED's are common anode or common cathode. From the schematic it looks to me as though they are common anode.

Any testing is done at your own risk.

Please ask if you have mor equestions

HTH and 73

John KC0G

In a message dated 5/4/2012 2:54:30 AM Central Daylight Time, jonathan.richardson@... writes:

> Hello
>
> It was me that sent the request – I apologise – the receiver is the
> SRX30D ……
> Now to the challenge –
>
> Firstly, receiver seems to function on strong signal but the RF knob when
> turned has no effect at all!
>
> Secondly, when the mode select knob is rotated, there is no function on
> AM. SSB and FM “seem” to function.
>
> Finally, üne display character is also missing its capacity to light up
> one element (cant see the difference between 3 and 9).
>
> Any suggestions
>
> Jon G8KJI
>

617. Re: Lowe SRX350D should be SRX30D

Yahoo group: Lowe_Receivers
Date: 2012-05-06 00:47:54 UTC
From: mikey
Topic: 615 Message: 617

they really weren't rebadged Century receivers.

both the Century 21, Lowe SRX-30 and Drake SSR-1 were a version of the Standard C6500 receiver in Japan.

so the Century and Lowe's were more like cousins.

Drake never went for the Digital version of the SSR-1 like the Century and Lowe's D version.

I am not aware that Standard Radio ever released a digital version of the C6500.

for those who want more info on the C6500:
http://www.radiomuseum.org/r/standard_c_6500_c6500.html

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
> Hello Jon
>
> Welcome to the group.
>
> First some backgroumd. The Lowe SRX30 and SRX30D were rebadged Century 21
> and 21D receivers. The SRX30D was a considerable improvement over the SRX30,
> used Plessey double balanced mixers, and according to Fred Osterman's book
> "Shortwave Receivers: Past and Present", was sold from 1980-1982.
> Information on either receiver is thin on the ground.
>
> I presume that you have the user manual, which, I believe, has schematics.
> If not there is a user manual with schematics for the Century 21D in the
> files section of this group (under SRX30D).
>
> Now to your questions:
>
> 1. My understanding from the schematic is that the RF gain control is
> across the antenna input. Has it been disconnected?
>
> 2. The good news is that the SSB detector is working. The AM detector
> circuit is in parallel, and selected by diode switching. Take a look at the
> mode switch where the AM B+ switched supply comes from. Also, does this radio
> really receive FM?
>
> 3. The display circuitry uses two OKI MSM5525RS counter / display driver
> chips. I had thought that these were unobtainable, but apparently
> www.littlediode.com has them at 10GBP each. Not cheap. The MSM5525RS will drive
> vacuum fluorescent displays directly, and LED's with additional drivers. These
> are shown on the schematic. You need to determine if the MSM5525RS, driver

> or LED is faulty.
>
> I have data here on the MSM5525RS from a ca. 1980 Ambit International
> catalogue. I can scan it if you wish. The outputs are FET's which are switched
> on to light the display, and otherwise left floating. Before doing any
> tests I would start by deterinming whether thre LED's are common anode or common
> cathode. From the schematic it looks to me as though they are common
> anode.
>
> Any testing is done at your own risk.
>
> Please ask if you have mor equestions
>
> HTH and 73
>
> John KC0G
>
>
> In a message dated 5/4/2012 2:54:30 AM Central Daylight Time,
> jonathan.richardson@... writes:
> > Hello
> >
> > It was me that sent the request â□" I apologise â□" the receiver is the
> > SRX30D â□¦â□¦
> > Now to the challenge â□"
> >
> > Firstly, receiver seems to function on strong signal but the RF knob when
> > turned has no effect at all!
> >
> > Secondly, when the mode select knob is rotated, there is no function on
> > AM. SSB and FM â□□seemâ□□ to function.
> >
> > Finally, Ã¼ne display character is also missing its capacity to light up
> > one element (cant see the difference between 3 and 9).
> >
> > Any suggestions
> >
> > Jon G8KJI
> >
>

618. HF150 for sale EBAY

Yahoo group: Lowe_Receivers
Date: 2012-05-10 08:26:26 UTC
From: Paul Jinks
Topic: 618 Message: 618

Guys
For info
just noticed an HF150 for sale on EBAY (UK) ?245 + pp

-Paul

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2425/4988 - Release Date: 05/09/12

619. HF-150 on Ebay

Yahoo group: Lowe_Receivers
Date: 2012-05-11 08:40:54 UTC
From: Brian Jones
Topic: 619 Message: 619

I have one of these in excellent condition, with whip aerial and original hardcopy manual. Not sure if the PSU is original or is an AOR replacement.

I'm tempted to Ebay this myself if that is the value (I'm trying to raise funds for a new ham antenna). If anyone on the group is interested in a private sale before I do so then please email me. If it is a UK buyer then I'm happy for inspection if possible.

Brian

620. original LOWE modified NRD535DG on ebay Germany

Yahoo group: Lowe_Receivers
Date: 2012-05-17 11:19:35 UTC
From: dfas_eu
Topic: 620 Message: 620

one of the most wanted LOWE receiveres are the NRD535DG modified by LOWE. I will sell mine on ebay Germany under Auction Nr. 110879639001.
This receiver is in perfect condition. Comes with the orig. LOWE emblem on front of the Receiver, the LOWE Test Certificate and the orig. NRD Tag. A copy of the german owners manual as well as a CD with different manuals, Repair manual, Test reports, Software etc. will be included. So - if someone is interessted - I am willing to ship worldwide. This is a one time chance to own one of a handfull of these wonderfull receivers. I have never seen one offered before.

621. Re: Lowe HF-150 frequency alignment

Yahoo group: Lowe_Receivers
Date: 2012-05-20 13:38:47 UTC
From: enriqueeeeee2001
Topic: 592 Message: 621

Hello,

After almost two months I have decided to make the alignment to my Lowe HF-150. Following the technical service instructions I have made the first step: frequency counter to TP2 and adjusting TC1 (variable capacitor) for a reading of 45.0000 Mhz.

For my surprise it always reads 43.0900 Mhz , I am not able to vary the frequency with the capacitor , is remains fixed.

As the manual suggest ,if a stable 45 Mhz cannot be obtained check the reference frequency on Q7 pin 13 which should be 2912.0 Khz.

I have found this to be exactly as it should be, so there is a fault.

I have checked the voltages on Q22,SL6440C,all are ok except pin 3 and 14 they are 10,6 v and should be 10,9v.

Voltages on Q23 are fine.

Anyone have any suggestion? Manual says that the Local oscillator, PLL or controls systems at fault.

Thank you very much

--- In Lowe_Receivers@yahoogroups.com, "crabtreejr" <crabtreejr@...> wrote:
>
> Hello Enrique
>
> You are correct. Please let us know how you get on.
>
> 73 John KC0G
>
>
> --- In Lowe_Receivers@yahoogroups.com, "enriqueeeeee2001" <enriqueeeeee2001@> wrote:
> >
> > Hi all,
> >
> > It is almost a year since I bought a nice HF-150 receiver, I am quite glad with this litte jewel but unfortunately time passes and it seems to be fractionally off frequency perhaps by 15 or 20Hz.
> >
> > I would be very pleased if somebody could comfirm the steps for the alignment since I have a doubt in the last step. Thanks in advance.
> >
> > The service manual,page 25 point 4, says:
> >
> > 4.1 With the TEST message displayed, connect a frequency counter to TP6 (audio).

> >
> > 4.2 Press the MODE button
> > Adjust TC2 for a reading of 3234Hz +/-10Hz
> >
> > 4.3 Press the FAST button
> > Adjust VR1 for a reading 8Hz above that in (4.2)above.
> >
> >
> > My question: I understand that if for example I adjust TC2 on 3234Hz
> > I would have to adjust VR1 on 3242Hz. Is that correct or I am wrong?
> >
> > I would like to buy another receiver serious DXing,is it worth a 7030+ or with the
HF-150 would be enough?
> >
> > Regards
> >
>

622. Re: Lowe HF-150 frequency alignment

Yahoo group: Lowe_Receivers
Date: 2012-05-20 14:12:28 UTC
From: hairypete2
Topic: 592 Message: 622

--- In Lowe_Receivers@yahoogroups.com, "enriqueeeeee2001" <enriqueeeeee2001@...> wrote:
>
>
> Hello,
>
> After almost two months I have decided to make the alignment to my Lowe HF-150. Following the technical service instructions I have made the first step: frequency counter to TP2 and adjusting TC1 (variable capacitor) for a reading of 45.0000 Mhz.
>
> For my surprise it always reads 43.0900 Mhz , I am not able to vary the frequency with the capacitor , is remains fixed.

Does the reference frequency vary with adjustment of TC1 (Q7 pin 13)?
What voltage is on TP1 ? Does it vary, or is it fixed at one extreme ?

623. Re: Lowe HF-150 frequency alignment

Yahoo group: Lowe_Receivers
Date: 2012-05-20 14:45:32 UTC
From: enriqueeeeee2001
Topic: 592 Message: 623

Hello hairypete2,

Thanks a lot for your fast answer

I have just checked what you ask:

The reference frequency does not vary at all

Voltage on TP1 it is 2,51 volts and it is fixed.

I hope that this can help.

Thank you very much

--- In Lowe_Receivers@yahoogroups.com, "hairypete2" <teflon@...> wrote:
>
>
>
>
>
> --- In Lowe_Receivers@...m, "enriqueeeeee2001" <enriqueeeeee2001@> wrote:
> >
> >
> > Hello,
> >
> > After almost two months I have decided to make the alignment to my Lowe HF-150. Following the technical service instructions I have made the first step: frequency counter to TP2 and adjusting TC1 (variable capacitor) for a reading of 45.0000 Mhz.
> >
> > For my surprise it always reads 43.0900 Mhz , I am not able to vary the frequency with the capacitor , is remains fixed.
>
> Does the reference frequency vary with adjustment of TC1 (Q7 pin 13)?
> What voltage is on TP1 ? Does it vary, or is it fixed at one extreme ?
>

624. Re: Lowe HF-150 frequency alignment

Yahoo group: Lowe_Receivers
Date: 2012-05-20 15:28:00 UTC
From: hairypete2
Topic: 592 Message: 624

> I have just checked what you ask:
>
> The reference frequency does not vary at all

It sounds as if TC1 is broken or disconnected. I suggest a good visual inspection of TC1 and its solder joints. I assume that apart from the frequency discrepancy the radio is otherwise functional?

625. Re: Lowe HF-150 frequency alignment

Yahoo group: Lowe_Receivers
Date: 2012-05-20 15:55:22 UTC
From: enriqueeeeee2001
Topic: 592 Message: 625

Hello again,

I have resoldered the joints, no significant result.

Regarding the TC1 capacitor, turning it I can hear how vary the tone pitch .

Yes, the receiver works nice apart from that.

Regards

--- In Lowe_Receivers@yahoogroups.com, "hairypete2" <teflon@...> wrote:
>
>
>
>
> > I have just checked what you ask:
> >
> > The reference frequency does not vary at all
> It sounds as if TC1 is broken or disconnected. I suggest a good visual inspection of TC1 and its solder joints. I assume that apart from the frequency discrepancy the radio is otherwise functional?
>

628. Re: Lowe HF-150 frequency alignment

Yahoo group: Lowe_Receivers
Date: 2012-05-23 20:52:59 UTC
From: enriqueeeeee2001
Topic: 592 Message: 628

Hello,

I have just purchased a new TC1 variable capacitor and I have replaced the 'faulty' one.

Same result, frequency is always on 43083 Mhz and the tone varies

I have realized that WITH or WITHOUT TC1 capacitor the frequency is always 43083 Mhz.

Could give this any clue?

Thanks a lot for your help

Best Regards

--- In Lowe_Receivers@yahoogroups.com, "enriqueeeeee2001" <enriqueeeeee2001@...> wrote:
>
>
> Hello again,
>
> I have resoldered the joints, no significant result.
>
> Regarding the TC1 capacitor, turning it I can hear how vary the tone pitch .
>
> Yes, the receiver works nice apart from that.
>
> Regards
>
>
> --- In Lowe_Receivers@yahoogroups.com, "hairypete2" <teflon@> wrote:
> >
> >
> >
> >
> > > I have just checked what you ask:
> > >
> > > The reference frequency does not vary at all
> > It sounds as if TC1 is broken or disconnected. I suggest a good visual inspection of TC1 and its solder joints. I assume that apart from the frequency discrepancy the radio is otherwise functional?
> >
>

629. Re: Lowe HF-150 frequency alignment

Yahoo group: Lowe_Receivers
Date: 2012-05-24 15:50:32 UTC
From: enriqueeeeee2001
Topic: 592 Message: 629

Thanks to a member of the forum, hairypete2, I have been able to fix the failure that I had in my Lowe HF-150 receiver.

It was the counter probe. It has needed to be decoupled the frequency meter from the receiver by putting a resistor between TP2
and the receiver. With an oscilloscope probe has worked as well.

Thanks to this forum and Pete for your valuable help and advices.

Best Regards

--- In Lowe_Receivers@yahoogroups.com, "enriqueeeeee2001" <enriqueeeeee2001@...> wrote:
>
> Hello,
>
> I have just purchased a new TC1 variable capacitor and I have replaced the 'faulty' one.
>
> Same result, frequency is always on 43083 Mhz and the tone varies
>
> I have realized that WITH or WITHOUT TC1 capacitor the frequency is always 43083 Mhz.
>
> Could give this any clue?
>
>
> Thanks a lot for your help
>
> Best Regards
>
> --- In Lowe_Receivers@yahoogroups.com, "enriqueeeeee2001" <enriqueeeeee2001@> wrote:
> >
> >
> > Hello again,
> >
> > I have resoldered the joints, no significant result.
> >
> > Regarding the TC1 capacitor, turning it I can hear how vary the tone pitch .
> >
> > Yes, the receiver works nice apart from that.
> >
> > Regards
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, "hairypete2" <teflon@> wrote:
> > >
> > >
> > >

> > >
> > > > I have just checked what you ask:
> > > >
> > > > The reference frequency does not vary at all
> > > It sounds as if TC1 is broken or disconnected. I suggest a good visual inspection of TC1 and its solder joints. I assume that apart from the frequency discrepancy the radio is otherwise functional?
> > >
> >
>

630. unsubcribe

Yahoo group: Lowe_Receivers
Date: 2012-06-07 14:42:42 UTC
From: lionelknight
Topic: 630 Message: 630

Unsubcribe

631. Question re RC250 Remote

Yahoo group: Lowe_Receivers
Date: 2012-06-24 17:23:30 UTC
From: Dan
Topic: 631 Message: 631

Folks,

I have a Lowe 250 and the remote, but the remote has problems with some of the buttons, which don't register when using the radio.

Has anyone using a RC250 have any suggestions on this problem?

And if anyone has a spare RC250 I would be willing to pay a reasonable amount.

632. Re: Question re RC250 Remote

Yahoo group: Lowe_Receivers
Date: 2012-06-24 18:31:03 UTC
From: Fraser
Topic: 631 Message: 632

My 2 cents worth.....

Over time the button mat conductive rubber can degrade or 'sweat'. It would be worth dismantling the remote and very gently cleaning the black conductive pads on the mat and the PCB contacts. Use IPA (Isopropyl alcohol) from you local chemist. This will often return a remote to normal operation. If not, the conductive pads are either past recovery or the remote has a physical fault such as a cracked pcb track or inbtermittant battery contacts due to corrosion.

If the remote is beyond saving there is still hope. The RC250 was available from the Lowe workshop for around GBP25.

Now the really useful info... The RC250 is in fact a replacement remote control from CPC with the part no of RC1387, sadly long obsolete. But the remote is designed to work with the Nokia SAT1602 receiver so you just need to find a third party replacement remote for a Nokia SAT1602, re-label the key text and you are in business. Lowe just fitted their own key board label.

It is fortunate indeed that Lowe didn't use a custom remote or protocol, its just a pity that it wasn't the very common Philips RC6 protocol. If you really get stuck, you can always copy a working remote using a 'learning' remote and a good RC250 as the signal source. I have working RC250's so could help you but I am in the UK. You could also use your faulty remote as the source if it is just the conductive buttons. You just need to short out the contacts on the PCB to activate each function in turn.

For that matter, you could even find a new conductive button mat (or salvage one from a cheap new remote) and transplant good conductive pads on to the old mat. I have seen keyboards that used individual conductive rubber 'domes' that can be glued to the pcb if needed.

Hope this helps.

Regards

Fraser

--- In Lowe_Receivers@yahoogroups.com, "Dan" <darobin12001@...> wrote:
>
> Folks,
>
> I have a Lowe 250 and the remote, but the remote has problems with some of the buttons, which don't register when using the radio.
>
> Has anyone using a RC250 have any suggestions on this problem?
>
> And if anyone has a spare RC250 I would be willing to pay a reasonable amount.
>

633. Re: [Lowe_Receivers] Re: Question re RC250 Remote

Yahoo group: Lowe_Receivers
Date: 2012-06-24 19:06:45 UTC
From: Daniel Robinson
Topic: 631 Message: 633

Thanks for that quick response and information. I would be willing to ship this to you if you have done this cleaning of the conductive pads before and

would be willing to do that for my RC250.

Let me know.....and thanks again for the info

Dan Robinson
Chief White House Correspondent
Voice of America

From: Fraser <fraser.castle@...>
To: Lowe_Receivers@yahoogroups.com
Sent: Sunday, June 24, 2012 2:31 PM
Subject: [Lowe_Receivers] Re: Question re RC250 Remote

My 2 cents worth.....

Over time the button mat conductive rubber can degrade or 'sweat'. It would be worth dismantling the remote and very gently cleaning the black conductive pads on the mat and the PCB contacts. Use IPA (Isopropyl alcohol) from you local chemist. This will often return a remote to normal operation. If not, the conductive pads are either past recovery or the remote has a physical fault such as a cracked pcb track or inbtermittant battery contacts due to corrosion.

If the remote is beyond saving there is still hope. The RC250 was available from the Lowe workshop for around GBP25.

Now the really useful info... The RC250 is in fact a replacement remote control from CPC with the part no of RC1387, sadly long obsolete. But the remote is designed to work with the Nokia SAT1602 receiver so you just need to find a third party replacement remote for a Nokia SAT1602, re-label the key text and you are in business. Lowe just fitted their own key board label.

It is fortunate indeed that Lowe didn't use a custom remote or protocol, its just a pity that it wasn't the very common Philips RC6 protocol. If you really get stuck, you can always copy a working remote using a 'learning' remote and a good RC250 as the signal source. I have working RC250's so could help you but I am in the UK. You could also use your faulty remote as the source if it is just the conductive buttons. You just need to short out the contacts on the PCB to activate each function in turn.

For that matter, you could even find a new conductive button mat (or salvage one from a cheap new remote) and transplant good conductive pads on to the old mat. I have seen keyboards that used individual conductive rubber 'domes' that can be glued to the pcb if needed.

Hope this helps.

Regards

Fraser

--- In Lowe_Receivers@yahoogroups.com, "Dan" <darobin12001@...> wrote:
>
> Folks,
>
> I have a Lowe 250 and the remote, but the remote has problems with some of the buttons, which don't register when using the radio.
>
> Has anyone using a RC250 have any suggestions on this problem?
>
> And if anyone has a spare RC250 I would be willing to pay a reasonable amount.
>

634. Re: [Lowe_Receivers] Re: Question re RC250 Remote

Yahoo group: Lowe_Receivers
Date: 2012-06-24 21:19:34 UTC
From: Tony Van Tittelboom
Topic: 631 Message: 634

Hi,

I purchased à new 100% conform keyboard verf recentst at:

http://www.wirechief.com/keypad/

After payment delverd in no time. Works fine!!

Regards,

Tony ON4TVT

Verstuurd vanaf mijn iPad

Op 24-jun.-2012 om 21:06 heeft Daniel Robinson <darobin12001@...> het volgende geschreven:

> Thanks for that quick response and information. I would be willing to ship
> this to you if you have done this cleaning of the conductive pads before and
> would be willing to do that for my RC250.
>
> Let me know.....and thanks again for the info
>
> Dan Robinson
> Chief White House Correspondent
> Voice of America
> From: Fraser <fraser.castle@...>
> To: Lowe_Receivers@yahoogroups.com
> Sent: Sunday, June 24, 2012 2:31 PM
> Subject: [Lowe_Receivers] Re: Question re RC250 Remote
>
>
> My 2 cents worth.....
>
> Over time the button mat conductive rubber can degrade or 'sweat'. It would be worth dismantling the remote and very gently cleaning the black conductive pads on the mat and the PCB contacts. Use IPA (Isopropyl alcohol) from you local chemist. This will often return a remote to normal operation. If not, the conductive pads are either past recovery or the remote has a physical fault such as a cracked pcb track or inbtermittant battery contacts due to corrosion.
>
> If the remote is beyond saving there is still hope. The RC250 was available from the Lowe workshop for around GBP25.
>
> Now the really useful info... The RC250 is in fact a replacement remote control from CPC with the part no of RC1387, sadly long obsolete. But the remote is designed to work with the Nokia SAT1602 receiver so you just need to find a third party replacement remote for a Nokia SAT1602, re-label the key text and you are in business. Lowe just fitted their own

key board label.
>
> It is fortunate indeed that Lowe didn't use a custom remote or protocol, its just a pity that it wasn't the very common Philips RC6 protocol. If you really get stuck, you can always copy a working remote using a 'learning' remote and a good RC250 as the signal source. I have working RC250's so could help you but I am in the UK. You could also use your faulty remote as the source if it is just the conductive buttons. You just need to short out the contacts on the PCB to activate each function in turn.
>
> For that matter, you could even find a new conductive button mat (or salvage one from a cheap new remote) and transplant good conductive pads on to the old mat. I have seen keyboards that used individual conductive rubber 'domes' that can be glued to the pcb if needed.
>
> Hope this helps.
>
> Regards
>
> Fraser
>
> --- In Lowe_Receivers@yahoogroups.com, "Dan" <darobin12001@...> wrote:
> >
> > Folks,
> >
> > I have a Lowe 250 and the remote, but the remote has problems with some of the buttons, which don't register when using the radio.
> >
> > Has anyone using a RC250 have any suggestions on this problem?
> >
> > And if anyone has a spare RC250 I would be willing to pay a reasonable amount.
> >
>
>
>
>

635. Re: Question re RC250 Remote

Yahoo group: Lowe_Receivers
Date: 2012-06-24 21:24:26 UTC
From: Fraser
Topic: 631 Message: 635

Daniel,

I would help you by cleaning the contacts etc but I honestly think it woule be cheaper and better to buy a new remote from Tony at Lowe. If you email him he is normally able to confirm stock and price. He does ship to the USA and accepts credit card orders.

If you still wish your RC250 remote to be clened etc. or want it as a working spare, I will do the work for you. I am overseas for three weeks so the quickest solution is still Tony at Lowe.

Lowe workshop contact details:

Telephone: 01629 832374 or e-mail workshop@... (Take out the X in the e-mail address - anti spam).

Kind Regards

Fraser
Group Owner and Servant to Her Majesty ;-)

--- In Lowe_Receivers@yahoogroups.com, Daniel Robinson <darobin12001@...> wrote:
>
> Thanks for that quick response and information.Â I would be willing to ship
> this to you if you have done this cleaning of the conductive pads before and
>
> would be willing to do that for my RC250.
>
> Let me know.....and thanks again for the info
>
> Â
> Dan Robinson
> Chief White House Correspondent
> Voice of America
>
>
> _____
> From: Fraser <fraser.castle@...>
> To: Lowe_Receivers@yahoogroups.com
> Sent: Sunday, June 24, 2012 2:31 PM
> Subject: [Lowe_Receivers] Re: Question re RC250 Remote
>
>
> Â
> My 2 cents worth.....
>
> Over time the button mat conductive rubber can degrade or 'sweat'. It would be worth dismantling the remote and very gently cleaning the black conductive pads on the mat and

the PCB contacts. Use IPA (Isopropyl alcohol) from you local chemist. This will often return a remote to normal operation. If not, the conductive pads are either past recovery or the remote has a physical fault such as a cracked pcb track or inbtermittant battery contacts due to corrosion.
>
> If the remote is beyond saving there is still hope. The RC250 was available from the Lowe workshop for around GBP25.
>
> Now the really useful info... The RC250 is in fact a replacement remote control from CPC with the part no of RC1387, sadly long obsolete. But the remote is designed to work with the Nokia SAT1602 receiver so you just need to find a third party replacement remote for a Nokia SAT1602, re-label the key text and you are in business. Lowe just fitted their own key board label.
>
> It is fortunate indeed that Lowe didn't use a custom remote or protocol, its just a pity that it wasn't the very common Philips RC6 protocol. If you really get stuck, you can always copy a working remote using a 'learning' remote and a good RC250 as the signal source. I have working RC250's so could help you but I am in the UK. You could also use your faulty remote as the source if it is just the conductive buttons. You just need to short out the contacts on the PCB to activate each function in turn.
>
> For that matter, you could even find a new conductive button mat (or salvage one from a cheap new remote) and transplant good conductive pads on to the old mat. I have seen keyboards that used individual conductive rubber 'domes' that can be glued to the pcb if needed.
>
> Hope this helps.
>
> Regards
>
> Fraser
>
> --- In Lowe_Receivers@yahoogroups.com, "Dan" <darobin12001@> wrote:
> >
> > Folks,
> >
> > I have a Lowe 250 and the remote, but the remote has problems with some of the buttons, which don't register when using the radio.
> >
> > Has anyone using a RC250 have any suggestions on this problem?
> >
> > And if anyone has a spare RC250 I would be willing to pay a reasonable amount.
> >
>

636. Re: Question re RC250 Remote

Yahoo group: Lowe_Receivers
Date: 2012-06-24 21:27:42 UTC
From: Fraser
Topic: 631 Message: 636

Hi,

Yes the Wirechief units are great for the HF-150, but sadly the HF-250 uses an infrared wireless remote control that is very different in all respects.

Thank you for highlighting the availability of the Wirechief unit for the Group though.

Kind Regards

Fraser

--- In Lowe_Receivers@yahoogroups.com, Tony Van Tittelboom <tony.vantittelboom@...> wrote:
>
> Hi,
>
> I purchased Ã new 100% conform keyboard verf recentst at:
>
> http://www.wirechief.com/keypad/
>
> After payment delverd in no time. Works fine!!
>
> Regards,
>
> Tony ON4TVT
>
> Verstuurd vanaf mijn iPad
>

637. Re: [Lowe_Receivers] Re: Question re RC250 Remote

Yahoo group: Lowe_Receivers
Date: 2012-06-24 21:49:53 UTC
From: Tony Van Tittelboom
Topic: 631 Message: 637

Sorry, i was not aware that the 225 and 150 use different keypads.
Regards Tony

Verstuurd vanaf mijn iPhone

Op 24-jun.-2012 om 23:27 heeft "Fraser " <fraser.castle@...> het volgende geschreven:

> Hi,
>
> Yes the Wirechief units are great for the HF-150, but sadly the HF-250 uses an infrared wireless remote control that is very different in all respects.
>
> Thank you for highlighting the availability of the Wirechief unit for the Group though.
>
> Kind Regards
>
> Fraser
>
> --- In Lowe_Receivers@yahoogroups.com, Tony Van Tittelboom <tony.vantittelboom@...> wrote:
> >
> > Hi,
> >
> > I purchased Ã new 100% conform keyboard verf recentst at:
> >
> > http://www.wirechief.com/keypad/
> >
> > After payment delverd in no time. Works fine!!
> >
> > Regards,
> >
> > Tony ON4TVT
> >
> > Verstuurd vanaf mijn iPad
> >
>
>

638. HF-150 Garbled audio on LSB

Yahoo group: Lowe_Receivers
Date: 2012-06-27 12:25:22 UTC
From: Dale
Topic: 638 Message: 638

I recently added backlighting to a friend's 150 and replaced a blown first mixer (static damaged).

He reports that now after being turned on for a while the audio on LSB (and I believe LSB sync) becomes very garbled. Initially, all modes did this after an hour warm up.

Any of the 150 gurus have some thoughts?

Tnx,

Dale W4OP

639. Re: [Lowe_Receivers] HF-150 Garbled audio on LSB

Yahoo group: Lowe_Receivers
Date: 2012-06-27 14:31:41 UTC
From: crabtreejr@aol.com
Topic: 638 Message: 639

Hello Dale

This was discussed in the other (old) group. I have copied the old post below. See if these symptoms descibe the problem which your friiend is having.

HTH and 73

John KC0G

http://groups.yahoo.com/group/lowe_hfreceivers/message/1813

>>> Re: Lowe receivers howling audio

--- In lowe_hfreceivers@yahoogroups.com, "pete gianakopoulos" <ke9oa@...> wrote:

> Another problem that sometimes shows up is when the 14569 divider chip on the
front panel/display board goes bad. This is the chip that is right next to the
Murata ceramic filter. This chip divides the clock signal for the
microcontroller down to the 455kHz injection frequencies for LSB/USB. If you
start to notice that your BFO injection frequency is skewed, it is most likely
this chip. My Lowe HF-150 developed a problem, where the LSB mode was very
trebly sounding and the USB mode was very bassy sounding. The LSB injection
frequency was at the edge of the I.F. passband and the USB injection frequency
was in the center of the I.F. passband.

That divider chip is actually operated outwith its maximum ratings in the
HF-150. That's why they sometimes fail. You can test for that by cooling the
radio down in a fridge or freezer - then the radio's carrier points are
corrected until it warms up.

Point is the problem can recur if you are unlucky enough to get a low spec one
as a replacement.

>>>

In a message dated 6/27/2012 8:42:02 AM Central Daylight Time,
parinc1@... writes:
> I recently added backlighting to a friend's 150 and replaced a blown
> first mixer (static damaged).

>
> He reports that now after being turned on for a while the audio on LSB
> (and I believe LSB sync) becomes very garbled. Initially, all modes did this
> after an hour warm up.
>
> Any of the 150 gurus have some thoughts?
>
> Tnx,
>
> Dale W4OP
>

640. Re: [Lowe_Receivers] Digest Number 284

Yahoo group: Lowe_Receivers
Date: 2012-06-28 13:15:12 UTC
From: Dale Parfitt
Topic: 640 Message: 640

Lowe ReceiversThanks John,
As I have not heard the receiver myself, it is difficult to say if this is it or not. I'll relay this to my friend and likely he will send the 150 back to me for evaluation.

Dale W4OP
----- Original Message -----
From: Lowe_Receivers@yahoogroups.com
To: Lowe_Receivers@yahoogroups.com
Sent: Thursday, June 28, 2012 5:00 AM
Subject: [Lowe_Receivers] Digest Number 284

Lowe Receivers Group
2 New Messages Digest #284 1a HF-150 Garbled audio on LSB
by "Dale" w4op
1b Re: HF-150 Garbled audio on LSB
by "crabtreejr@..." crabtreejr

1a HF-150 Garbled audio on LSB
Wed Jun 27, 2012 6:42 am (PDT) . Posted by: "Dale" w4op I recently added backlighting to a friend's 150 and replaced a blown first mixer (static damaged).

He reports that now after being turned on for a while the audio on LSB (and I believe LSB sync) becomes very garbled. Initially, all modes did this after an hour warm up.

Any of the 150 gurus have some thoughts?

Tnx,

Dale W4OP

Top Reply to sender . Reply to group . Reply via Web Post . All Messages
(2) 1b Re: HF-150 Garbled audio on LSB
Wed Jun 27, 2012 7:32 am (PDT) . Posted by: "crabtreejr@..." crabtreejr
Hello Dale

This was discussed in the other (old) group. I have copied the old post below. See if these symptoms descibe the problem which your friiend is having.

HTH and 73

John KC0G

http://groups.yahoo.com/group/lowe_hfreceivers/message/1813

>>> Re: Lowe receivers howling audio

--- In lowe_hfreceivers@yahoogroups.com, "pete gianakopoulos" <ke9oa@...>
wrote:

> Another problem that sometimes shows up is when the 14569 divider chip on
the
front panel/display board goes bad. This is the chip that is right next to
the
Murata ceramic filter. This chip divides the clock signal for the
microcontroller down to the 455kHz injection frequencies for LSB/USB. If
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this chip. My Lowe HF-150 developed a problem, where the LSB mode was very
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frequency was at the edge of the I.F. passband and the USB injection
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That divider chip is actually operated outwith its maximum ratings in the
HF-150. That's why they sometimes fail. You can test for that by cooling
the
radio down in a fridge or freezer - then the radio's carrier points are
corrected until it warms up.

Point is the problem can recur if you are unlucky enough to get a low spec
one
as a replacement.

>>>

In a message dated 6/27/2012 8:42:02 AM Central Daylight Time,
parinc1@... writes:
> I recently added backlighting to a friend's 150 and replaced a blown
> first mixer (static damaged).
>
> He reports that now after being turned on for a while the audio on LSB
> (and I believe LSB sync) becomes very garbled. Initially, all modes did
> this
> after an hour warm up.
>
> Any of the 150 gurus have some thoughts?
>
> Tnx,
>
> Dale W4OP
> Top Reply to sender . Reply to group . Reply via Web Post . All Messages
> (2) Visit Your Group > 1 New Members > Send us feedback on the new design
> > CHANGE SETTINGS > TERMS OF USE > UNSUBSCRIBE >
No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2180 / Virus Database: 2437/5096 - Release Date: 06/27/12

641. HF-250 test video

Yahoo group: Lowe_Receivers
Date: 2012-07-09 08:06:22 UTC
From: drunkenstein30
Topic: 641 Message: 641

Hi.
Testing sound quality and line cable.
Using -50db att cable, Lowe line-out to camera mic-in.
Mods and cable are made by me.

http://www.youtube.com/watch?v=2Au0NTtepuU&feature=g-upl

Regards, KT

642. HF-150 Backlight

Yahoo group: Lowe_Receivers
Date: 2012-07-25 16:36:01 UTC
From: dalziel5853
Topic: 642 Message: 642

Hello all,

I have an original Lowe amber LED backlight, just removed from my HF-150E, which I'm happy to pass on to anyone who can use it, for the cost of postage - UK members only, please.

Although it works perfectly well, there are two points you should note;
firstly, the bottom RH corner of the perspex diffuser is chipped, and was when I bought the receiver; secondly, I've always found it to give frustratingly uneven light, which is why I've replaced it.

Anyway, let me know off-list if you're interested. Postage for a small jiffy bag should be less than a pound.

Regards,

Dave

643. Re: HF-150 Backlight

Yahoo group: Lowe_Receivers
Date: 2012-07-25 18:13:29 UTC
From: dalziel5853
Topic: 642 Message: 643

....and it's gone already. Sorry to anyone interested, but it has to be first come, first served.

Regards,

Dave

644. Lowe HF-250

Yahoo group: Lowe_Receivers
Date: 2012-08-05 15:06:58 UTC
From: Dale
Topic: 644 Message: 644

Is there a service manual for the 250? I know much of the circuitry is the same as the 150, but having the correct part # call outs etc would be great.

Thanks,
Dale W4OP

645. HF-250

Yahoo group: Lowe_Receivers
Date: 2012-08-05 16:27:11 UTC
From: Dale
Topic: 645 Message: 645

While I await news on a service manual, here's the deal on the 250.
Sync modes seem to work nominally. No audio output in AM, SSB or CW.

Dale W4OP

646. Re: [Lowe_Receivers] Lowe HF-250

Yahoo group: Lowe_Receivers
Date: 2012-08-05 17:25:37 UTC
From: crabtreejr@aol.com
Topic: 644 Message: 646

Hello Dale

There was some discussion about this in the old group. See:
http://groups.yahoo.com/group/lowe_hfreceivers/message/803

There never was a service manual for the HF-250. The main board was similar to that of the HF-225. You will find scans of the block diagram and circuit diagrams in the Files section. IIRC the synchronous board was similar, but possibly wired in a different way to get the narrow and wideabnd sync detection as per the HF-150.

HTH and 73

John KC0G

In a message dated 8/5/2012 10:08:09 AM Central Daylight Time,
parinc1@... writes:
> Is there a service manual for the 250? I know much of the circuitry is
> the same as the 150, but having the correct part # call outs etc would be
> great.
>
> Thanks,
> Dale W4OP
>

647. WANTED: Lowe PR-150 Preselector

Yahoo group: Lowe_Receivers
Date: 2012-08-29 20:47:39 UTC
From: bigskyaudiomt
Topic: 647 Message: 647

Hi All,

I am interested in purchasing a Lowe PR-150 preselector if one is available. Thanks! Rick

648. Re: [Lowe_Receivers] Re: Question re RC250 Remote

Yahoo group: Lowe_Receivers
Date: 2012-09-02 19:15:04 UTC
From: Alan Hunter
Topic: 631 Message: 648

----- Original Message -----
From: Fraser
To: Lowe_Receivers@yahoogroups.com
Sent: Sunday, June 24, 2012 10:27 PM
Subject: [Lowe_Receivers] Re: Question re RC250 Remote

Hi,

Yes the Wirechief units are great for the HF-150, but sadly the HF-250 uses an infrared wireless remote control that is very different in all respects.

Thank you for highlighting the availability of the Wirechief unit for the Group though.

Kind Regards

Fraser

--- In Lowe_Receivers@yahoogroups.com, Tony Van Tittelboom <tony.vantittelboom@...> wrote:
>
> Hi,
>
> I purchased Ã new 100% conform keyboard verf recentst at:
>
> http://www.wirechief.com/keypad/
>
> After payment delverd in no time. Works fine!!
>
> Regards,
>
> Tony ON4TVT
>
> Verstuurd vanaf mijn iPad
>

649. Re: Question re RC250 Remote

Yahoo group: Lowe_Receivers
Date: 2012-09-02 20:08:16 UTC
From: Dan
Topic: 631 Message: 649

Alan -- didn't see any text in this note from you....?

--- In Lowe_Receivers@yahoogroups.com, "Alan Hunter" <alan.ajhunter@...> wrote:
>
>
> ----- Original Message -----
> From: Fraser
> To: Lowe_Receivers@yahoogroups.com
> Sent: Sunday, June 24, 2012 10:27 PM
> Subject: [Lowe_Receivers] Re: Question re RC250 Remote
>
>
>
> Hi,
>
> Yes the Wirechief units are great for the HF-150, but sadly the HF-250 uses an infrared wireless remote control that is very different in all respects.
>
> Thank you for highlighting the availability of the Wirechief unit for the Group though.
>
> Kind Regards
>
> Fraser
>
> --- In Lowe_Receivers@yahoogroups.com, Tony Van Tittelboom <tony.vantittelboom@> wrote:
> >
> > Hi,
> >
> > I purchased Ã new 100% conform keyboard verf recentst at:
> >
> > http://www.wirechief.com/keypad/
> >
> > After payment delverd in no time. Works fine!!
> >
> > Regards,
> >
> > Tony ON4TVT
> >
> > Verstuurd vanaf mijn iPad
> >
>

650. SRX 50

Yahoo group: Lowe_Receivers
Date: 2012-09-12 07:09:40 UTC
From: grahamsutton48
Topic: 650 Message: 650

Hi are there any mods I can make to take out the "chuff" when tuning ?.

Graham

651. HF-150 for sale

Yahoo group: Lowe_Receivers
Date: 2012-09-12 09:53:59 UTC
From: g0ukb
Topic: 651 Message: 651

Too many receivers and I need to raise some cash for new amateur radio gear, so some receivers must go.

I have a Lowe HF-150 with PSU, antenna and original manual all in very good condition that I hope to get up on UK Ebay in the next week or two (along with my Tentec RX320). If anyone here is interested and wants to make an offer then happy to sort out a private deal.

Any advice on value would be welcomed - a non-functioning one went on UK Ebay for £5 recently and there is a good condition one (but without the manual) currently up at £350 with a buy-it-now price of £500. I'm suspecting somewhere in-between is a more accurate expectation :-)

Brian

653. HF-235 Tuning Glitch

Yahoo group: Lowe_Receivers
Date: 2012-09-21 11:20:37 UTC
From: timlad90120
Topic: 653 Message: 653

Hi Group,

My HF-235 has started to develop the following glitch:

When the tuning knob is rotated anti-clockwise, my frequency readout is stationary or moves at a very slow rate, no matter how fast or slow the tuning knob is rotated. Rotating the tuning knob clockwise works as it should.

I wonder if anybody can help or shed light on the above?

Many thanks,
Tim Mills

654. Re: [Lowe_Receivers] HF-235 Tuning Glitch

Yahoo group: Lowe_Receivers
Date: 2012-09-21 14:28:25 UTC
From: crabtreejr@aol.com
Topic: 653 Message: 654

Hello Tim

IIRC the Hf-235 has the ALPS mechanical encoder for tuning. I think that you are getting poor comtact on one of the contacts when turning one way. This subject has come up in the past.

From the original group:
http://groups.yahoo.com/group/lowe_hfreceivers/message/266

****
***
Re: Hf 125 Tuning encoders
Posted By: frasercastle
Jul 11, 2006 4:31 am |

Ref. the HF125 encoder.

Have you spoken to Tony at Lowe very recently ?

I purchased a new Bourns encoder for my HF150 from him last month for 20 GBP including postage. The bourns unit was apparently used in the HF150E. I do not have the HF125 Schematic but I would be suprised if the Bourns encoder cannot be made to work in that radio as well. If you email me the schematic I can offer further advice on this.

Have you tried cleaning the HF125 Encoder ? The encoder is in truth just a mechnaical switch with wiper contacts. If the grease or other material has contaminated the contacts they can be clened by gentle application of switch cleaner or Isopropyl achohol (available from your chemist/pharmacist/drug store)Video/Tape head cleaning fluid will work as well. I wouls submerse all of the encoder componebts in the cleaner fluid and soak away the unwanted gunk.

Once all of the "gunk" has been removed you should re lubricate only the encoder shaft with some light oil or grease. Use only switch cleaner to lubricate the encoder contacts.

Re assemeble the encoder and you may have a fully working unit again.

I would do this before buying a new encoder.

Hope this helps

Fraser
****

So I think that you either clean the existing encoder, or replace it with a Bourns encoder. There is a file in the HF-150 folder in the "Files" section of this group on how to do the upgrade on the HF-150. The HF-235 should be very similar.

HTH and 73

John KC0G

In a message dated 9/21/2012 6:20:42 AM Central Daylight Time, timlad28@... writes:
> Hi Group,
>
> My HF-235 has started to develop the following glitch:
>
> When the tuning knob is rotated anti-clockwise, my frequency readout is
> stationary or moves at a very slow rate, no matter how fast or slow the
> tuning knob is rotated. Rotating the tuning knob clockwise works as it should.
>
> I wonder if anybody can help or shed light on the above?
>
> Many thanks,
> Tim Mills
>

655. Re: HF-235 Tuning Glitch

Yahoo group: Lowe_Receivers
Date: 2012-09-21 15:41:52 UTC
From: timlad90120
Topic: 653 Message: 655

Hi John,

Many thanks for responding and pointing me to the above article. I had searched the forum but seemed to have missed the post.

That's what I wanted to know - if I could clean the encoder. I will try cleaning and see if that makes an improvement.

Is there a current production Bourns encoder that can be used as a replacement? I searched for the Bourns encoder referred to in the HF-150 article but this appears to be no longer available.

All the best,
Tim

656. Re: HF-235 Tuning Glitch

Yahoo group: Lowe_Receivers
Date: 2012-09-21 17:51:46 UTC
From: valleyjinker
Topic: 653 Message: 656

--- In Lowe_Receivers@yahoogroups.com, "timlad90120" <timlad28@...> wrote:
>
> Hi John,
>
> Many thanks for responding and pointing me to the above article. I had searched the forum but seemed to have missed the post.
>
> That's what I wanted to know - if I could clean the encoder. I will try cleaning and see if that makes an improvement.
>

Don't suppose you have access to an oscilloscope to connect to the two encoder output phases (the two outer terminals)...

If you do try to clean it make sure you don't dissolve the viscous grease in the shaft bearing.

You should use a non deposite (no oils in it) solvent and very little of it. Don't use the usual Servisol switch cleaner.

They don't usually respond well to cleaning attempts.

657. Re: [Lowe_Receivers] Re: HF-235 Tuning Glitch

Yahoo group: Lowe_Receivers
Date: 2012-09-21 18:23:19 UTC
From: crabtreejr@aol.com
Topic: 653 Message: 657

Hello Tim

Where are you?

The encoder used in the HF-150E was only a 25cpr unit (ENS1J-B28-00025) which gave a tuning rate of 25 * 4 * 8Hz, ie ca. 800Hz per revolution of the tuning knob. IMHO this is very leisurely. Almost all of the other radios used a 50cpr ALPS unit giving a tuning rate of 1.6kHz per revolution.

You could use a 64cpr encoder which would give you a tuning rate of ca. 2.048 kHz per revolution. I doubt that you would notice the difference. This is availabe as:
ENS1J-B28-00064L (L for ROHS compliance)
However they are ca. $100 each.

The above numbers assume that the tuning step is 8Hz per step. In fact it is very slightly less and not enough to worry about for this discussion.

HTH and 73

John KC0G

In a message dated 9/21/2012 10:41:58 AM Central Daylight Time, timlad28@... writes:
> Hi John,
>
> Many thanks for responding and pointing me to the above article. I had
> searched the forum but seemed to have missed the post.
>
> That's what I wanted to know - if I could clean the encoder. I will try
> cleaning and see if that makes an improvement.
>
> Is there a current production Bourns encoder that can be used as a
> replacement? I searched for the Bourns encoder referred to in the HF-150 article
> but this appears to be no longer available.
>
> All the best,
> Tim
>

658. Re: HF-235 Tuning Glitch

Yahoo group: Lowe_Receivers
Date: 2012-09-23 15:04:26 UTC
From: timlad90120
Topic: 653 Message: 658

Hello John,

UK.

Tuning now working correctly. Had chance to remove the encoder today and take a look inside. Found the metal contact had a very thin sliver of metal still attached. Leftover from when the metal contact had been pressed. Removed, refitted and encoder is working as it should.

At some point in the future I will upgrade to a Bourns encoder.

Many thanks,
Tim

659. SRX30D Display Driver MSM5525 Datasheet Wanted

Yahoo group: Lowe_Receivers
Date: 2012-09-23 17:11:00 UTC
From: oldengineer11
Topic: 659 Message: 659

Does anyone have, or can point me to, a datasheet from this IC, please ?
Thanks,
Alan
G7DCF

660. Lowe Modemaster interface sale

Yahoo group: Lowe_Receivers
Date: 2012-09-23 18:04:13 UTC
From: Enrique Fernandez García
Topic: 660 Message: 660

Hello,

I have the following radio items for sale, all working and in excellent condition.

Lowe Modemaster interface version 2.0., interface for the Lowe HF-150 receiver.
15 € plus postage

PAR electronics BCST high pass filter, filter that elliminates near MW stations that produce intermodulations, images on HF receivers.
Perfect match for a Lowe HF-150 receiver.

45€ shipped

Uniden BCD 396XT handheld scanner, mint condition. I do not discard a swap for an AOR 7030 + receiver, adjusting the price difference.

Asking for 250 € plus postage

Some details:

https://www.scannermaster.com/Uniden_Bearcat_BCD396XT_Police_Scanner_p/10-501358.htm

I can send detailed photos, please ask if you are interested.

Kind Regards

661. Re: [Lowe_Receivers] Re: HF-235 Tuning Glitch

Yahoo group: Lowe_Receivers
Date: 2012-09-24 22:58:36 UTC
From: crabtreejr@aol.com
Topic: 653 Message: 661

Hello Tim

This is good news.

Upgrading the encoder also requires increasing the hole in the tuning fnob from 6.00 mm to 0.25". I am told that this can be done on a drill press. I suppose in theory the drill should self centre. You need to make very sure that the knob cannot wobble or tilt while it is drilled.

73 John KC0G

In a message dated 9/23/2012 10:04:31 AM Central Daylight Time, timlad28@... writes:
> Hello John,
>
> UK.
>
> Tuning now working correctly. Had chance to remove the encoder today and
> take a look inside. Found the metal contact had a very thin sliver of metal
> still attached. Leftover from when the metal contact had been pressed.
> Removed, refitted and encoder is working as it should.
>
> At some point in the future I will upgrade to a Bourns encoder.
>
> Many thanks,
> Tim
>

662. Repair services

Yahoo group: Lowe_Receivers
Date: 2012-09-25 15:13:26 UTC
From: tterry88
Topic: 662 Message: 662

Hi everyone,

Is there anyone who repairs or services HF-150's you know of? I thought it would be nice to have mine checked out and brought up to specifications, if need, before the winter DXing season.

I am located in the USA. Thanks,

Terry

663. Re: Repair services

Yahoo group: Lowe_Receivers
Date: 2012-09-28 15:09:42 UTC
From: tterry88
Topic: 662 Message: 663

--- In Lowe_Receivers@yahoogroups.com, "tterry88" <tthiewes@...> wrote:
>
> Hi everyone,
>
> Is there anyone who repairs or services HF-150's you know of? I thought it would be nice to have mine checked out and brought up to specifications, if need, before the winter DXing season.
>
> I am located in the USA. Thanks,
>
> Terry
>
Well ☐ after asking you guys if you knew of any Lowe HF service folks out in the world I've discovered why I haven't gotten a response from anyone yet. There isn't anyone! Wow! Well that happens. I contacted Rob Sherwood, whom I know could check out my nrd-545, and he gave me two individuals as reference stating,
"The only two companies I trust to fix radios that I don't work on are:"

http://www.angelfire.com/biz2/mts/
http://www.burghardt-amateur.com/

These two gentlemen don't either. Looks like, if need be, I may have to recall all my electric shop lessons from high school then advance onto circuits someday. It's evident you guys could point me where I would need if I get stumped.

Terry

664. Re: [Lowe_Receivers] Re: Repair services

Yahoo group: Lowe_Receivers
Date: 2012-09-28 15:44:50 UTC
From: Bob Warriner
Topic: 662 Message: 664

Hi Terry,
What sort of problems are you experiencing, maybe some of us in the UK can help and talk you through a few adjustments.
although you will need to have access to test equipment to do a proper job.
In my own experience, my HF-150 is as good today as it was when I first aquired it, I've never found a need to make any adjustments.
Are you sure it needs attention?
Rgds Bob (UK).

----- Original Message -----
From: tterry88
To: Lowe_Receivers@yahoogroups.com
Sent: Friday, September 28, 2012 4:09 PM
Subject: [Lowe_Receivers] Re: Repair services

--- In Lowe_Receivers@yahoogroups.com, "tterry88" <tthiewes@...> wrote:
>
> Hi everyone,
>
> Is there anyone who repairs or services HF-150's you know of? I thought it would be nice to have mine checked out and brought up to specifications, if need, before the winter DXing season.
>
> I am located in the USA. Thanks,
>
> Terry
>
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"The only two companies I trust to fix radios that I don't work on are:"

http://www.angelfire.com/biz2/mts/
http://www.burghardt-amateur.com/

These two gentlemen don't either. Looks like, if need be, I may have to recall all my electric shop lessons from high school then advance onto circuits someday. It's evident you guys could point me where I would need if I get stumped.

Terry

665. Re: [Lowe_Receivers] Re: Repair services

Yahoo group: Lowe_Receivers
Date: 2012-09-28 15:47:33 UTC
From: Tracey Gardner
Topic: 662 Message: 665

Hello Terry

You could try contacting Rick Krzemien as he offers a repair service for the AR7030 which is really the successor to the Lowe series of receivers.

Below is an extract from a web site about AR7030 repair

Regards

Tracey G5VU

Should you require service in the USA I have established a good contact with Rick Krzemien:

BIG SKY AUDIO LLP
106 North Hill Road
Helena, Montana
MT 59602
USA

Web: http://www.bigskyaudiomt.com/

There is a contact page where you can leave a message for Rick:

http://www.bigskyaudiomt.com/index.php?pr=Contact_Us

Or he is available by 'phone on: (406) 461-6805

Don't be deceived by the web site, though Rick's primary business is Audio, he is a very competent electronic engineer with a keen interest in radio and has demonstrated remarkable knowledge of the AR7030. He also has full spares and support back up from me.

----- Original Message -----
From: "tterry88" <tthiewes@...>
To: <Lowe_Receivers@yahoogroups.com>
Sent: Friday, September 28, 2012 4:09 PM
Subject: [Lowe_Receivers] Re: Repair services

--- In Lowe_Receivers@yahoogroups.com, "tterry88" <tthiewes@...> wrote:
>
> Hi everyone,
>
> Is there anyone who repairs or services HF-150's you know of? I thought it
> would be nice to have mine checked out and brought up to specifications,
> if need, before the winter DXing season.
>
> I am located in the USA. Thanks,

>
> Terry
>
Well - after asking you guys if you knew of any Lowe HF service folks out in the world I've discovered why I haven't gotten a response from anyone yet. There isn't anyone! Wow! Well that happens. I contacted Rob Sherwood, whom I know could check out my nrd-545, and he gave me two individuals as reference stating,
"The only two companies I trust to fix radios that I don't work on are:"

http://www.angelfire.com/biz2/mts/
http://www.burghardt-amateur.com/

These two gentlemen don't either. Looks like, if need be, I may have to recall all my electric shop lessons from high school then advance onto circuits someday. It's evident you guys could point me where I would need if I get stumped.

Terry

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2677 / Virus Database: 2591/5794 - Release Date: 09/27/12

666. Re: Repair services

Yahoo group: Lowe_Receivers
Date: 2012-09-29 22:24:38 UTC
From: vjs_avila
Topic: 662 Message: 666

Terry,

I've used Craig Siegenthaler at Kiwa Electronics (kiwa.com) a couple times with excellent results. He's very familiar with the HF-150 and has quite a few spares for them on hand as well. When he did my last repair, I had him do the audio mod as well which is great.

Jason

--- In Lowe_Receivers@yahoogroups.com, "tterry88" <tthiewes@...> wrote:
>
> Hi everyone,
>
> Is there anyone who repairs or services HF-150's you know of? I thought it would be nice to have mine checked out and brought up to specifications, if need, before the winter DXing season.
>
> I am located in the USA. Thanks,
>
> Terry
>

667. Re: Repair services

Yahoo group: Lowe_Receivers
Date: 2012-09-30 13:22:36 UTC
From: driftermick
Topic: 662 Message: 667

Terry.

I'm with Jason on this. Craig is great for most any brand receiver. You should email, or call him. Be warned, he some times gets busy with work, and may delay a repair. But, he is worth any wait, you may encounter. Lots of cool stuff on his web-site.

Drifter...

--- In Lowe_Receivers@yahoogroups.com, "vjs_avila" <vjs.avila@...> wrote:
>
> Terry,
>
> I've used Craig Siegenthaler at Kiwa Electronics (kiwa.com) a couple times with excellent results. He's very familiar with the HF-150 and has quite a few spares for them on hand as well. When he did my last repair, I had him do the audio mod as well which is great.
>
> Jason
>
>
> --- In Lowe_Receivers@yahoogroups.com, "tterry88" <tthiewes@> wrote:
> >
> > Hi everyone,
> >
> > Is there anyone who repairs or services HF-150's you know of? I thought it would be nice to have mine checked out and brought up to specifications, if need, before the winter DXing season.
> >
> > I am located in the USA. Thanks,
> >
> > Terry
> >
>

668. Re: Repair services

Yahoo group: Lowe_Receivers
Date: 2012-10-01 12:26:21 UTC
From: tterry88
Topic: 662 Message: 668

Good morning everyone and thanks for your responses. This is my first Lowe radio. I began SWL during Desert Shield to see how the rest of world viewed us yanks and "listening to the world" has been quite humbling to this day. Perhaps the topic of another time. My primary radio is a JRC nrd-545 and the Lowe hf-150 is to fit a more portable spot in my hobby. My antenna is a 65 foot single wire dipole (Miracle Antenna) outside the house. It is very quiet and I'm pleased with it. I found the 150 as sensitive as the 545 not as selective of course but the Brits thought through those missing areas pretty well.

The reason I ask for a radio service center was more in line with wanting to have it checked out against factory specifications. Kind of like buying a used car and immediately changing the oil and spark plugs right away before its first big road trip (winter Dx'ing season). Problem wise I noticed that when dialing counter-clock wise in MW the one kHz digit can be `jumpy' and therefore I sprayed the tuning knob shaft with cleaner and cleared up most of that problem. I placed about a half a drop of light oil against the shaft and its barrel to make sure it was lubricated. I may take the 150 apart for a more thorough cleaning in the near future. My 150 was made in 1994.

I had Craig at Kiwa modify a Sony 2010 years ago and he said recently that he had a 150 on his bench to compare mine against should I send it for modification. Regarding taking it through a spec check he said he doesn't do that but would take it through its paces. Rob at Sherwood does a complete survey of a radio, of the types of radios he works on like my 545. He concludes with a published report. Was hoping to find a similar situation for the 150. I'm am outside Minneapolis, Minnesota and therefore about two hours from Kiwa so the 150 wouldn't have to travel far.

The 545 has benefitted from the `bhi' MKII Noise Away accessory and will plug the 150 into it as well. Haven't done that yet. I need a few mono 3.5mm plugs to make the connections. Leave it the Brits for creating great radios and add-ons. I feel that Kiwa's audio mod would enhance the MKII's effect. I was curious to see if any of you have installed a `bhi' internally to the 150 yet?

Thanks guys,

--- In Lowe_Receivers@yahoogroups.com, "driftermick" <driftermick@...> wrote:
>
>
>
> Terry.
>
> I'm with Jason on this. Craig is great for most any brand
> receiver. You should email, or call him. Be warned, he some
> times gets busy with work, and may delay a repair. But, he
> is worth any wait, you may encounter. Lots of cool stuff on
> his web-site.
>
> Drifter...

>
> --- In Lowe_Receivers@yahoogroups.com, "vjs_avila" <vjs.avila@> wrote:
> >
> > Terry,
> >
> > I've used Craig Siegenthaler at Kiwa Electronics (kiwa.com) a couple times with excellent results. He's very familiar with the HF-150 and has quite a few spares for them on hand as well. When he did my last repair, I had him do the audio mod as well which is great.
> >
> > Jason
> >
> >
> > --- In Lowe_Receivers@yahoogroups.com, "tterry88" <tthiewes@> wrote:
> > >
> > > Hi everyone,
> > >
> > > Is there anyone who repairs or services HF-150's you know of? I thought it would be nice to have mine checked out and brought up to specifications, if need, before the winter DXing season.
> > >
> > > I am located in the USA. Thanks,
> > >
> > > Terry
> > >
> >
>

669. smc hf-150 faulty

Yahoo group: Lowe_Receivers
Date: 2012-10-14 08:44:26 UTC
From: chris_king54
Topic: 669 Message: 669

Hi
This is my first post,hello to all, now onto my faulty hf 150 this has very loud interference noise/buzzing when tuned to a station with very weak audio in the background, however this seems to improve slightly if you hold your hand on the receiver, everthing seem to be working as it should ie the aerial switch on the back is working although slightly noisy i have sustituted a different power supply etc any suggestions would be welcome
Chris

670. Re: smc hf-150 faulty

Yahoo group: Lowe_Receivers
Date: 2012-10-14 09:53:20 UTC
From: hairypete2
Topic: 669 Message: 670

> This is my first post,hello to all, now onto my faulty hf 150 this has very loud interference noise/buzzing .....i have sustituted a different power supply etc any suggestions would be welcome

You probably need to ground the receiver. Unless you are using a power-supply that is connected through to the mains earth (increasing rare these days), the unit will be capacitatively coupled to the mains supply. This level of signal will completely swamp the front end of the receiver.

HP

671. Re: smc hf-150 faulty

Yahoo group: Lowe_Receivers
Date: 2012-10-14 12:41:22 UTC
From: Dale Parfitt
Topic: 669 Message: 671

What are you using for an antenna? It sounds as though your antenna has common mode noise on the coax- or perhaps just the whip antenna. Either can cause noise levels to change when you supply 'grounding' by touching the radio. Are the supplies you are using switchers? Have you tried using the batteries- result?
Regards,

Dale W4OP

672. Re: smc hf-150 faulty

Yahoo group: Lowe_Receivers
Date: 2012-10-15 16:16:02 UTC
From: mikey
Topic: 669 Message: 672

you need to use a regulated PS

--- In Lowe_Receivers@yahoogroups.com, "chris_king54" <chris_king54@...> wrote:
>
> Hi
> This is my first post,hello to all, now onto my faulty hf 150 this has very loud interference noise/buzzing when tuned to a station with very weak audio in the background, however this seems to improve slightly if you hold your hand on the receiver, everthing seem to be working as it should ie the aerial switch on the back is working although slightly noisy i have sustituted a different power supply etc any suggestions would be welcome
> Chris
>

673. Dead bands on HF 225

Yahoo group: Lowe_Receivers
Date: 2012-10-15 17:23:05 UTC
From: rogprov
Topic: 673 Message: 673

I recently bought a HF225 which when tested I found to be completely dead throughout the entire 5,000-10,000 ranges.

After a bit of testing I eventually found it was one the VCO range switching diodes inside the die-cast box can.

Link to diagram Diode
<http://i20.photobucket.com/albums/b205/rogprov/web/hf225diode.jpg?t=135\
0321473>

May be useful to someone.

Roger

674. Nickel metal hydride batteries

Yahoo group: Lowe_Receivers
Date: 2012-10-18 15:10:01 UTC
From: tterry88
Topic: 674 Message: 674

Will the hf150 accept rechargable nickel metal hydride batteries in place of nicad rechargable batteries?

Are there any issues to be concerned with during recharging?

Thanks all,
Terry

675. Re: [Lowe_Receivers] Nickel metal hydride batteries

Yahoo group: Lowe_Receivers
Date: 2012-10-19 04:06:16 UTC
From: John Figliozzi
Topic: 674 Message: 675

I've been using them in my 150 for years.

Sent from my iPhone

On Oct 18, 2012, at 11:10 AM, "tterry88" <tthiewes@...> wrote:

> Will the hf150 accept rechargable nickel metal hydride batteries in place of nicad rechargable batteries?
>
> Are there any issues to be concerned with during recharging?
>
> Thanks all,
> Terry
>
>

676. Re: [Lowe_Receivers] Nickel metal hydride batteries

Yahoo group: Lowe_Receivers
Date: 2012-10-19 10:02:02 UTC
From: Paul Jinks
Topic: 674 Message: 676

Hi Terry
Provided your charger is not a peak detect type for NiCAD (Otherwise the NiH types will overheat on charging) you will be fine.
Most off-the-shelf chargers are not of this type but I guess you won't get optimum charge with these but the bigger capacity of the NiH compared to NiCAD will offset this anyway.
Paul

677. Re: Nickel metal hydride batteries

Yahoo group: Lowe_Receivers
Date: 2012-10-19 16:02:19 UTC
From: tterry88
Topic: 674 Message: 677

Thank you guys for the feedback. Hearing from you permits me to add to my question a bit: Can I successfully charge NiMH batteries per the HF-150 manual instruction. Meaning: with 8 NiMH 'AA' batteries placed into the battery trays and the radio plugged into a 12v power source (13.8v for me) with the radio turned off - will it then charge the NiMH batteries?

If so - are there any issues I should be aware of?

Thanks,
Terry

--- In Lowe_Receivers@yahoogroups.com, Paul Jinks <pauljinks@...> wrote:
>
> Hi Terry
> Provided your charger is not a peak detect type for NiCAD (Otherwise the
> NiH types will overheat on charging) you will be fine.
> Most off-the-shelf chargers are not of this type but I guess you won't
> get optimum charge with these but the bigger capacity of the NiH
> compared to NiCAD will offset this anyway.
> Paul
>

678. Re: [Lowe_Receivers] Re: Nickel metal hydride batteries

Yahoo group: Lowe_Receivers
Date: 2012-10-19 16:58:16 UTC
From: crabtreejr@aol.com
Topic: 674 Message: 678

Hello Terry

I think that this comes down to whether the NiMH batteries which you are using can tolerate a trickle charge for an extended period of time, and if so at what level.

There seem to be different views about trickel charging NiMH cells. See for example the wikipedia page and it associated references.

If you do decide to use NiMH cells, you should check the value of the series resisitor in the charging cicuit, given the change from NiCd cells and particularly as your voltage input is probably higher than normal.

HTH and 73

John KC0G

In a message dated 10/19/2012 11:02:26 AM Central Daylight Time, tthiewes@... writes:
> Thank you guys for the feedback. Hearing from you permits me to add to my
> question a bit: Can I successfully charge NiMH batteries per the HF-150
> manual instruction. Meaning: with 8 NiMH 'AA' batteries placed into the
> battery trays and the radio plugged into a 12v power source (13.8v for me) with
> the radio turned off - will it then charge the NiMH batteries?
>
> If so - are there any issues I should be aware of?
>
> Thanks,
> Terry
>
> --- In Lowe_Receivers@yahoogroups.com, Paul Jinks <pauljinks@...> wrote:
> >
> > Hi Terry
> > Provided your charger is not a peak detect type for NiCAD (Otherwise the
>
> > NiH types will overheat on charging) you will be fine.
> > Most off-the-shelf chargers are not of this type but I guess you won't
> > get optimum charge with these but the bigger capacity of the NiH
> > compared to NiCAD will offset this anyway.
> > Paul
> >
>

679. SRX-30D power question

Yahoo group: Lowe_Receivers
Date: 2012-10-22 22:15:22 UTC
From: lanberglarry
Topic: 679 Message: 679

Hello, I just got a Century 21-D (SRX-3OD) that I bought from Europe. Boy, am I stupid. I completely forgot that Europeans use 220 V instead of 120 V. I have a good 12 V linear DC supply. Does anyone who knows this radio have a clue where I can connect? I'm looking at the inside right now. Thank you.

Larry

680. Re: [Lowe_Receivers] SRX-30D power question

Yahoo group: Lowe_Receivers
Date: 2012-10-23 04:48:25 UTC
From: crabtreejr@aol.com
Topic: 679 Message: 680

Hello Larry

If you did not get a user manual with your radio, there is a pdf file of one in the SRX-30D folder in the files section of this group.

The circuit diagram shows three different taps on the primary side of the transformer, ie for 100, 117 and 220 Volts. I suggest that you locate the taps and change the primary side wiring accordingly. You are on your own here.

Also, the circuit diagram shows two separate secondary windings on the transformer. One is for the display, and the other for the rest of the radio. There must be a good reason for this. It also means that using a separate DC supply is less straightforward.

HTH and 73

John KC0G

In a message dated 10/22/2012 5:15:27 PM Central Daylight Time, lanberglarry@... writes:
> Hello, I just got a Century 21-D (SRX-3OD) that I bought from Europe.
> Boy, am I stupid. I completely forgot that Europeans use 220 V instead of 120
> V. I have a good 12 V linear DC supply. Does anyone who knows this radio
> have a clue where I can connect? I'm looking at the inside right now. Thank
> you.
>
> Larry
>

681. Re: SRX-30D power question

Yahoo group: Lowe_Receivers
Date: 2012-10-24 02:50:46 UTC
From: lanberglarry
Topic: 679 Message: 681

Thanks John. Yes, I went inside & did the 117 volt switch. That was no problem. I then put a Eurpopean-American adapter on the plug. Are my problems over? No. Seems this $2 adapter doesn't make good contact with the radio's plug. I have to squeeze the adapter hard in my hand to get power. Which gets tiring after a few seconds. Sigh. I'll have to hard wire something tomorrow.

Larry

682. Re: [Lowe_Receivers] Re: SRX-30D power question

Yahoo group: Lowe_Receivers
Date: 2012-10-24 13:08:03 UTC
From: crabtreejr@aol.com
Topic: 679 Message: 682

Hello Larry

Good news. You could try gently spreading the pins on the european plug.
Or you could simply replace it.

73 John KC0G

In a message dated 10/23/2012 9:54:13 PM Central Daylight Time,
lanberglarry@... writes:
> Thanks John. Yes, I went inside & did the 117 volt switch. That was no
> problem. I then put a Eurpopean-American adapter on the plug. Are my problems
> over? No. Seems this $2 adapter doesn't make good contact with the radio's
> plug. I have to squeeze the adapter hard in my hand to get power. Which
> gets tiring after a few seconds. Sigh. I'll have to hard wire something
> tomorrow.
>
> Larry

683. Re: SRX-30D power question

Yahoo group: Lowe_Receivers
Date: 2012-10-26 03:40:33 UTC
From: lanberglarry
Topic: 679 Message: 683

Ok, thank you. I got the radio going. Man, I love using it. Its stable as heck on sideband, and its MW sensitivity is off the charts. It pulls in distant MW stations that my Drake R-8 can't. That's saying something.

Larry

684. Lowe HF-225 Low Signals

Yahoo group: Lowe_Receivers
Date: 2012-10-26 16:45:23 UTC
From: Marc
Topic: 684 Message: 684

My Lowe HF-225 doesn't seem to be as sensitive as my Target HF3.

Using same antenna the audio and signal is very much lower on the HF225.

Sometimes a signal is S7 on HF3 but barely readable on Hf225 , one particular signal on 3.775 usb the HF225 didn't even pick it up but was audible on HF3

Checked known problems and nothing there...

Any idea's?

685. Re: [Lowe_Receivers] Lowe HF-225 Low Signals

Yahoo group: Lowe_Receivers
Date: 2012-10-26 16:55:21 UTC
From: crabtreejr@aol.com
Topic: 684 Message: 685

Hi

Does this happen on all frequency ranges?

73 John KC0G

In a message dated 10/26/2012 11:45:32 AM Central Daylight Time,
marcabbiss@... writes:
> My Lowe HF-225 doesn't seem to be as sensitive as my Target HF3.
>
> Using same antenna the audio and signal is very much lower on the HF225.
>
> Sometimes a signal is S7 on HF3 but barely readable on Hf225 , one
> particular signal on 3.775 usb the HF225 didn't even pick it up but was audible on
> HF3
>
> Checked known problems and nothing there...
>
> Any idea's?
>

686. Re: Lowe HF-225 Low Signals

Yahoo group: Lowe_Receivers
Date: 2012-10-26 17:13:03 UTC
From: Marc
Topic: 684 Message: 686

Yes all ranges....

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
> Hi
>
> Does this happen on all frequency ranges?
>
> 73 John KC0G
>
>
>
> In a message dated 10/26/2012 11:45:32 AM Central Daylight Time,
> marcabbiss@... writes:
> > My Lowe HF-225 doesn't seem to be as sensitive as my Target HF3.
> >
> > Using same antenna the audio and signal is very much lower on the HF225.
> >
> > Sometimes a signal is S7 on HF3 but barely readable on Hf225 , one
> > particular signal on 3.775 usb the HF225 didn't even pick it up but was audible on
> > HF3
> >
> > Checked known problems and nothing there...
> >
> > Any idea's?
> >
>

687. Re: [Lowe_Receivers] Lowe HF-225 Low Signals

Yahoo group: Lowe_Receivers
Date: 2012-10-26 17:08:33 UTC
From: Roger Provins
Topic: 684 Message: 687

Try cleaning the three-way sliding aerial switch with cleaner.

Roger

On 26/10/12 17:45, Marc wrote:
>
> My Lowe HF-225 doesn't seem to be as sensitive as my Target HF3.
>
> Using same antenna the audio and signal is very much lower on the HF225.
>
> Sometimes a signal is S7 on HF3 but barely readable on Hf225 , one
> particular signal on 3.775 usb the HF225 didn't even pick it up but
> was audible on HF3
>
> Checked known problems and nothing there...
>
> Any idea's?
>
>

688. Re: Lowe HF-225 Low Signals

Yahoo group: Lowe_Receivers
Date: 2012-10-26 17:33:57 UTC
From: Marc
Topic: 684 Message: 688

I have sprayed Servisol SC into the switch and moved it side to side a few times but still the same...

--- In Lowe_Receivers@yahoogroups.com, Roger Provins <roger@...> wrote:
>
> Try cleaning the three-way sliding aerial switch with cleaner.
>
> Roger
>
> On 26/10/12 17:45, Marc wrote:
> >
> > My Lowe HF-225 doesn't seem to be as sensitive as my Target HF3.
> >
> > Using same antenna the audio and signal is very much lower on the HF225.
> >
> > Sometimes a signal is S7 on HF3 but barely readable on Hf225 , one
> > particular signal on 3.775 usb the HF225 didn't even pick it up but
> > was audible on HF3
> >
> > Checked known problems and nothing there...
> >
> > Any idea's?
> >
> >
>

689. Re: [Lowe_Receivers] Re: Lowe HF-225 Low Signals

Yahoo group: Lowe_Receivers
Date: 2012-10-26 18:06:07 UTC
From: crabtreejr@aol.com
Topic: 684 Message: 689

Something has failed in the signal chain.

This is what was at one time on the Lowe web site:
>
The most common failures of the HF150 and HF225 occur when an external antenna is left connected to the radio during local electrical storms. With the HF150 the first mixer (Q22 SL6440C) fails causing the set to have low sensitivity and/or overload easily.

With the HF225 you get no operation over half the frequency range. Diode D1(BA244A or any low capacitance switching diode) has probably failed, this is in one corner inside the tin box enclosure. The VCO range switching diodes inside the die-cast box can also cause the set to mute over part of the range - they can go "lossy". They might measure OK but can be better checked by temporarily linking out any which are biased on. There is a silk screen print on the pcbs which indicate which component is which.
>
At first sight it does not look like this, unless abunch of switching diodes failed. it is probably timne for the service manual and a set of test gear.

Hopefully our resident expert will have something to say.

73 John KC0G

In a message dated 10/26/2012 12:13:11 PM Central Daylight Time, marcabbiss@... writes:
> Yes all ranges....
>
> --- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
> >
> > Hi
> >
> > Does this happen on all frequency ranges?
> >
> > 73 John KC0G
> >
> >
> >
> > In a message dated 10/26/2012 11:45:32 AM Central Daylight Time,
> > marcabbiss@... writes:
> > > My Lowe HF-225 doesn't seem to be as sensitive as my Target HF3.
> > >
> > > Using same antenna the audio and signal is very much lower on the
> HF225.
> > >

> > > Sometimes a signal is S7 on HF3 but barely readable on Hf225 , one
> > > particular signal on 3.775 usb the HF225 didn't even pick it up but
> was audible on
> > > HF3
> > >
> > > Checked known problems and nothing there...
> > >
> > > Any idea's?
>

690. Lowe SRX30 and Lowe SRX50

Yahoo group: Lowe_Receivers
Date: 2012-10-26 18:06:22 UTC
From: GrahamSutton
Topic: 690 Message: 690

Hello fellow “Lowe” lovers. Does anyone know where I can get a digital counter display to add to my SRX30, and also how to couple into the circuit. I would like to see how much the alignment is out, and it would be better for night DX’ing. Also I am using a Yaesu antenna tuner FRT 7700 which does’nt seem to make a great deal of difference to reception, does anyone else have experience of this unit. I am using a 30ft end fed single wire aerial.

I also have a Lowe SRX 50 PLL synthesizer receiver which is a great little radio. I would like to know of any mod’s people have done with it regarding the “chuffing” when tuning, or any other improvements which could be made. Thanks.

Regards

Graham

691. Re: Lowe HF-225 Low Signals

Yahoo group: Lowe_Receivers
Date: 2012-10-26 18:31:24 UTC
From: Marc
Topic: 684 Message: 691

Hmmm...

I also get some white noise with the audio , sounds like i'm getting 2 signals, white noise and the actual voice rather than mixed...

Listening on 40m with the hf3 on a scanner aerial i could here a french station but nothing on hf225 !!??!!

the HF225 does pick up strong AM stations , guess it needs a service...

thanks for your help :)

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
> Something has failed in the signal chain.
>
> This is what was at one time on the Lowe web site:
> >
> The most common failures of the HF150 and HF225 occur when an external
> antenna is left connected to the radio during local electrical storms. With the
> HF150 the first mixer (Q22 SL6440C) fails causing the set to have low
> sensitivity and/or overload easily.
>
> With the HF225 you get no operation over half the frequency range. Diode
> D1(BA244A or any low capacitance switching diode) has probably failed, this is
> in one corner inside the tin box enclosure. The VCO range switching diodes
> inside the die-cast box can also cause the set to mute over part of the
> range - they can go "lossy". They might measure OK but can be better checked by
> temporarily linking out any which are biased on. There is a silk screen
> print on the pcbs which indicate which component is which.
> >
> At first sight it does not look like this, unless abunch of switching
> diodes failed. it is probably timne for the service manual and a set of test
> gear.
>
> Hopefully our resident expert will have something to say.
>
> 73 John KC0G
>
>
> In a message dated 10/26/2012 12:13:11 PM Central Daylight Time,
> marcabbiss@... writes:
> > Yes all ranges....
> >
> > --- In Lowe_Receivers@yahoogroups.com, crabtreejr@ wrote:
> > >

> > > Hi
> > >
> > > Does this happen on all frequency ranges?
> > >
> > > 73 John KC0G
> > >
> > >
> > >
> > > In a message dated 10/26/2012 11:45:32 AM Central Daylight Time,
> > > marcabbiss@ writes:
> > > > My Lowe HF-225 doesn't seem to be as sensitive as my Target HF3.
> > > >
> > > > Using same antenna the audio and signal is very much lower on the
> > HF225.
> > > >
> > > > Sometimes a signal is S7 on HF3 but barely readable on Hf225 , one
> > > > particular signal on 3.775 usb the HF225 didn't even pick it up but
> > was audible on
> > > > HF3
> > > >
> > > > Checked known problems and nothing there...
> > > >
> > > > Any idea's?
> >
>

692. Re: [Lowe_Receivers] Lowe SRX30 and Lowe SRX50

Yahoo group: Lowe_Receivers
Date: 2012-10-26 19:29:12 UTC
From: crabtreejr@aol.com
Topic: 690 Message: 692

Hello Graham

Re. adding a digital display to the SRX-30, are you interested in just a kHz display, and/or a MHz display?

The first thing to do is to find out which way the VFO runs. I think that it may be tuned to 3.455kHz for XY.000 MHZ, and 2.456 for XY.999 MHz. If this is the case then your frequency counter solution for the kHz digits needs to subtract the meaured VFO frequency from 3.455kHz to get the kHz component. This adds to the complexity. You can check which way the VFO runs by by measuring, or just by looking at the tuning capacitor. I am preety sure that it is fully unmeshed when tuning near XY.001MHIz. Is this so?

I think that the first VFO is probably at 45.5MHz for the 0-1MHz tuning range, and 74.5MHz for the 29-30MHz range. If you want to measure that you need to subtract 45 from the first two digits to get the MHz component.

I think that the in the Century 21D and Lowe SRX30D, that the first LO runs as above, From my understanding of the counter circuits, which uses two separate counter chips but one display, this is the only way in which it can work. The kHz tuning frequency is subtracted from 4.91MHz before being applied to the kHz counter chip.

For an idea as to where to make the connections, you could look at the Century 21D manual in the SRX30D folder in the files section of this group

Now onto the Lowe SRX-50.

The SRX-50 was a badged radio, which according to the 1997 edition of Passport to World Band Radio, was also sold as:
Amsonic AS-908
Galaxis G 1380/4
Morphy Richards R191
Yorx AS-908
Technical information on this radio is hard to find. If you are successful, please add any files to the group.

HTH and 73

John KC0G

In a message dated 10/26/2012 1:07:10 PM Central Daylight Time, graham@organ.force9.co.uk writes:
> Hello fellow “Lowe” lovers. Does anyone know where I can get a digital
> counter display to add to my SRX30, and also how to couple into the
> circuit. I would like to see how much the alignment is out, and it would be
> better for night DX’ing. Also I am using a Yaesu antenna tuner FRT 7700 which

> does’nt seem to make a great deal of difference to reception, does anyone
> else have experience of this unit. I am using a 30ft end fed single wire
> aerial.
>
> I also have a Lowe SRX 50 PLL synthesizer receiver which is a great little
> radio. I would like to know of any mod’s people have done with it
> regarding the “chuffing” when tuning, or any other improvements which could be
> made. Thanks.
>
> Regards
>
> Graham
>
>

693. HF-150 no battery power

Yahoo group: Lowe_Receivers
Date: 2012-10-28 16:35:14 UTC
From: lanberglarry
Topic: 693 Message: 693

I recently acquired a used HF-150, I love using it. Its a very strong receiver all the way around. I didn't expect its sensitivity to be so good (reviewers only say its good for broadcast, for some reason, I think that's misleading).

Anyhow, yesterday I put 8 brand new AA batteries in it, partly in preparation for the hurricane. Nothing. Zero, zilch. No power at all through the batteries. I don't believe the previous owner opened the radio nor modified it in any way. So I'm baffled. The contacts look perfectly clean.

Is this is a common issue with the HF-150?

Larry

694. Re: HF-150 no battery power

Yahoo group: Lowe_Receivers
Date: 2012-10-29 13:31:17 UTC
From: Dale Parfitt
Topic: 693 Message: 694

With the radio turnewd on, press firmly onto the backs of both battery packs. It is not unusual to find the fingers have collapsed a bit and you will have to reform them slightly. Also, apply some DeOxit or similar cleaner sparingly with a cue tip to the battery contacts.
Also be sure to put in rechargeable batteries if you will also be using AC power. Standard batteries will heat and leak all over.
Dale W4OP

695. Re: HF-150 no battery power

Yahoo group: Lowe_Receivers
Date: 2012-10-29 15:15:27 UTC
From: lanberglarry
Topic: 693 Message: 695

Thanks Dale. I tried pressing the packs inward with the radio on. Kind of odd, because just looking at the battery packs & contacts it doesn't appear that batteries were ever put inside it before. Looks too perfect in there.

Anyhow I'm pleased how well the HF-150 does on longwave. I think that its lack of bandpass filtering actually benefits it. Its like I have a V-8 engine down on the low frequencies instead of a trimmed down 6 cylinder.

Larry

696. Re: HF-150 no battery power

Yahoo group: Lowe_Receivers
Date: 2012-10-30 14:07:03 UTC
From: Dale Parfitt
Topic: 693 Message: 696

Hi Larry,
You can remove the packs and make certain the wires are attached to the cases and also use a VOM to see where the issue is.
In some locations a good high pas filter that cuts out the AM b'cast band and up can help the lowe from desensing a bit.
Enjoy the receiver- I use mine daily by the bedside. Amber backlighting makes it a pleasure to use even at night.

Dale W4OP

697. Re: HF-150 no battery power

Yahoo group: Lowe_Receivers
Date: 2012-10-30 18:04:24 UTC
From: valleyjinker
Topic: 693 Message: 697

--- In Lowe_Receivers@yahoogroups.com, "lanberglarry" <lanberglarry@...> wrote:
>
> Thanks Dale. I tried pressing the packs inward with the radio on. Kind of odd, because just looking at the battery packs & contacts it doesn't appear that batteries were ever put inside it before. Looks too perfect in there.

The battery holders in the HF-150 are notorious.

Yes, pressing the trays in to encourage connection is often necessary.

The biggest problem is the material used for the contacts - it seems happy to react with any tiny amount of chemical polutant, theres lots of scope for such when batteries are involved. In my experience, much more so still when the old NiCd rechargeable batteries may have been used - and may well have been overcharged.

In those days, owners of techy gear were expected to read the manual, to understand how not to do things like overcharging. It was a ridiculous expectation. The radio should have been designed to be incapable of overcharging, as the Yupiteru MVT 7100 scanner was, sold at around the same period. That oversight(?) has led to the destruction of many '150s where alkaline cells were fitted and forgotten about. Then leaving the power supply connected and live would cause the radio to attempt to charge them at which point they promptly leaked electrolyte all over the pcb with sad results.

Back to the plot: you have to remember that there are 16 individual contacts in use, and it only takes one of them to be slightly dodgy for the radio not to function on its batteries.

The battery holders are still available I think. One source was the CPC catalogue in the UK - don't have the part number now tho.

All of the info here has been covered many times before on these sites but its so important to the continued life of the radios that it's worth repeating now and then...

698. Re: HF-150 no battery power

Yahoo group: Lowe_Receivers
Date: 2012-10-31 13:49:21 UTC
From: lanberglarry
Topic: 693 Message: 698

Alright, thank you. In the meantime I simply plugged an 8-AA cell battery pack into the DC jack. Using pure DC is important in my case, because I get so much noise through my AC wiring. Even, believe it or not, when using a linear regulated power supply. Batteries make a huge difference for me.

This little radio really rocks on longwave. I don't need to use anything special (tuned circuits or preamplifiers) like I do when using other well known receivers.

Larry

699. Re: [Lowe_Receivers] Lowe SRX30 and Lowe SRX50

Yahoo group: Lowe_Receivers
Date: 2012-10-31 18:12:44 UTC
From: GrahamSutton
Topic: 690 Message: 699

Hi John,

Thanks for the information regarding my Lowe receivers, I shall be delving into the guts to see whats what now I am back from my break. It sounds a bit complex. I am only interested in the KHZ readout. Do you know of anyone who has done this mod ?. Am still looking for information on the SRX-50.

Thanks
Graham

From: crabtreejr@...
Sent: Friday, October 26, 2012 8:29 PM
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] Lowe SRX30 and Lowe SRX50

Hello Graham

Re. adding a digital display to the SRX-30, are you interested in just a kHz display, and/or a MHz display?

The first thing to do is to find out which way the VFO runs. I think that it may be tuned to 3.455kHz for XY.000 MHZ, and 2.456 for XY.999 MHz. If this is the case then your frequency counter solution for the kHz digits needs to subtract the meaured VFO frequency from 3.455kHz to get the kHz component. This adds to the complexity. You can check which way the VFO runs by by measuring, or just by looking at the tuning capacitor. I am preety sure that it is fully unmeshed when tuning near XY.001MHIz. Is this so?

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Now onto the Lowe SRX-50.

The SRX-50 was a badged radio, which according to the 1997 edition of Passport to World Band Radio, was also sold as:
Amsonic AS-908
Galaxis G 1380/4
Morphy Richards R191
Yorx AS-908
Technical information on this radio is hard to find. If you are successful, please add any

files to the group.

HTH and 73

John KC0G

In a message dated 10/26/2012 1:07:10 PM Central Daylight Time, graham@... writes:

Hello fellow “Lowe” lovers. Does anyone know where I can get a digital counter display to add to my SRX30, and also how to couple into the circuit. I would like to see how much the alignment is out, and it would be better for night DX’ing. Also I am using a Yaesu antenna tuner FRT 7700 which does’nt seem to make a great deal of difference to reception, does anyone else have experience of this unit. I am using a 30ft end fed single wire aerial.

I also have a Lowe SRX 50 PLL synthesizer receiver which is a great little radio. I would like to know of any mod’s people have done with it regarding the “chuffing” when tuning, or any other improvements which could be made. Thanks.

Regards

Graham

700. Re: [Lowe_Receivers] Lowe SRX30 and Lowe SRX50

Yahoo group: Lowe_Receivers
Date: 2012-11-01 00:31:49 UTC
From: crabtreejr@aol.com
Topic: 690 Message: 700

Hello Graham

Just a kHz display makes it simpler....

There have been a numnber of approaches to putting a digital display onto a Wadley loop receivers. First of all their were the receivers with digital displays built in:
i) the Lowe SRX-30D and Century 21D took the 3.455-2.456 VFO output, mixed it with a 4.91MHz crystal derived signal, and fed the filtered output into a MSM5525RS counter. You might find the counter chip but they are few and far between This solution did account for the different IF offsets in AM, LSB and USB modes.
ii) the Yaesu FRG-7000 solution contained a "CPU". I would not attempt to duplicate that exact solution 30 years later even with a cicruit diagram, which I have not seen.
iii) the Realistic DX-300 and DX-302 both used a now obsolete M54826P counter. This was a 3-digit up/down counter and possibly LED driver, and was ideal for this application

Then there were the add-on solutions, particularly for the Yaesu FRG-7, eg:
i) dealer fitted displays, eg from SMC
ii) commercial add-on units, eg the Gilfer GAR-7 in the USA. I do not know if these used LSI counter chips or individual decade counters and drivers. KRS was another brand in the USA.
ii) commercial kits, eg the Howes DFD4 and DFD5 in the UK. I don't know which, if either, are truly appropriate.
ii) the digital readout described in January and February 1980 issues of Short Wave Magazine. This used an Intersil ICM7217 counter/driver.
iii) various digital displays described in 73 Magazine (USA) in the mid 1980's. One of these used individual decade counters.
v) modern homebrew solutions using a PIC or AVR microprocessor. Try a Google search for "FRG-7 digital display"
vi) the one current off-the-shelf- kit of which I am aware is made by AADE. See
www.aade.com
and look for the DFD1 or possibly the DFD3.

Suffice to say this is much travelled ground. You could learn a lot about FRG-7 digital displays by joining the FRG-7 Yahoo group. You could also keep an eye on eBay for external displays.

I looked at your web site. Certainly you have the skills to do some sort of add-on.

HTH and 73

John KC0G

In a message dated 10/31/2012 1:13:01 PM Central Daylight Time,
graham@....uk writes:
> Hi John,
>
> Thanks for the information regarding my Lowe receivers, I shall be delving
> into the guts to see whats what now I am back from my break. It sounds a
> bit complex. I am only interested in the KHZ readout. Do you know of
> anyone who has done this mod ?. Am still looking for information on the SRX-50.
>
> Thanks
> Graham
>
> From: crabtreejr@...
> Sent: Friday, October 26, 2012 8:29 PM
> To: Lowe_Receivers@yahoogroups.com
> Subject: Re: [Lowe_Receivers] Lowe SRX30 and Lowe SRX50
>
>
>
>
> Hello Graham
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> HTH and 73
>
> John KC0G
>
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> In a message dated 10/26/2012 1:07:10 PM Central Daylight Time,
> graham@... writes:
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>> regarding the “chuffing” when tuning, or any other improvements which could be
>> made. Thanks.
>>
>> Regards
>>
>> Graham
>>
>
>
>

701. HF-150: Good God!

Yahoo group: Lowe_Receivers
Date: 2012-11-01 03:28:40 UTC
From: lanberglarry
Topic: 701 Message: 701

On my HF-150 tonight I snared a 25-watt NDB all the way out in Iowa. ("IY", 417 kHz). I'm near the Atlantic Ocean in Virginia. That's 1182 miles from me, 47 miles per watt, a new record for me.

I'm telling you, this HF-150 has wowed me on longwave since I've had it. If you ain't using yours on longwave you really ought to start.

Antenna: 12" indoor loop.

Larry

702. Re: [Lowe_Receivers] Lowe SRX30 and Lowe SRX50

Yahoo group: Lowe_Receivers
Date: 2012-11-01 05:05:04 UTC
From: crabtreejr@aol.com
Topic: 690 Message: 702

Hello Graham

I just remembered that Cumbria Designs have a Minicounter module with programmable offsets. See:
http://www.cumbriadesigns.co.uk/
If this interests you, you might ask them exactly what you can expect to have displayed when the counter is in difference mode, and the input frequency is less than the offset. In the case of the Lowe, the offset will be 3.455MHz, and the VFO will range from 3.455 to 2.456 MHz. Does the diisplay show a minus sign? Do you really care?

You could also take a look at Walford Eectronics. They do a couple of counter kits. The web site has little inforrmation. I think that the 3D kit would probably not work. The 5D kit might. See:
http://www.users.globalnet.co.uk/~walfor/

HTH and 73

John KC0G

In a message dated 10/31/2012 7:31:55 PM Central Daylight Time, crabtreejr@... writes:
> Hello Graham
>
> Just a kHz display makes it simpler....
>
> There have been a numnber of approaches to putting a digital display onto
> a Wadley loop receivers. First of all their were the receivers with
> digital displays built in:
> i) the Lowe SRX-30D and Century 21D took the 3.455-2.456 VFO output,
> mixed it with a 4.91MHz crystal derived signal, and fed the filtered output
> into a MSM5525RS counter. You might find the counter chip but they are few
> and far between This solution did account for the different IF offsets in
> AM, LSB and USB modes.
> ii) the Yaesu FRG-7000 solution contained a "CPU". I would not attempt
> to duplicate that exact solution 30 years later even with a cicruit diagram,
> which I have not seen.
> iii) the Realistic DX-300 and DX-302 both used a now obsolete M54826P
> counter. This was a 3-digit up/down counter and possibly LED driver, and was
> ideal for this application
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> Then there were the add-on solutions, particularly for the Yaesu FRG-7,
> eg:
> i) dealer fitted displays, eg from SMC
> ii) commercial add-on units, eg the Gilfer GAR-7 in the USA. I do not
> know if these used LSI counter chips or individual decade counters and

> drivers. KRS was another brand in the USA.
> ii) commercial kits, eg the Howes DFD4 and DFD5 in the UK. I don't know
> which, if either, are truly appropriate.
> ii) the digital readout described in January and February 1980 issues of
> Short Wave Magazine. This used an Intersil ICM7217 counter/driver.
> iii) various digital displays described in 73 Magazine (USA) in the mid
> 1980's. One of these used individual decade counters.
> v) modern homebrew solutions using a PIC or AVR microprocessor. Try a
> Google search for "FRG-7 digital display"
> vi) the one current off-the-shelf- kit of which I am aware is made by
> AADE. See
> www.aade.com
> and look for the DFD1 or possibly the DFD3.
>
> Suffice to say this is much travelled ground. You could learn a lot about
> FRG-7 digital displays by joining the FRG-7 Yahoo group. You could also
> keep an eye on eBay for external displays.
>
> I looked at your web site. Certainly you have the skills to do some sort
> of add-on.
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> HTH and 73
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> John KC0G
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>>> regarding the “chuffing” when tuning, or any other improvements which could
>>> be made. Thanks.
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>>> Regards
>>>
>>> Graham
>>>
>>
>

703. Re: [Lowe_Receivers] Lowe SRX30 and Lowe SRX50

Yahoo group: Lowe_Receivers
Date: 2012-11-02 09:04:22 UTC
From: GrahamSutton
Topic: 690 Message: 703

Hi John,

Thats certainly alot of information. I have out of interest a FRG7700 which might be the same display you mention, I will look around for one in the old mags as you suggest. Thanks for your help.

Graham

From: crabtreejr@...
Sent: Thursday, November 01, 2012 12:31 AM
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] Lowe SRX30 and Lowe SRX50

Hello Graham

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HTH and 73

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Thanks
Graham

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To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] Lowe SRX30 and Lowe SRX50

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Regards

Graham

704. Re: Lowe SRX30 and Lowe SRX50

Yahoo group: Lowe_Receivers
Date: 2012-11-02 14:34:17 UTC
From: mikey
Topic: 690 Message: 704

you could get one of these:

http://aade.com/index.html#dfd

--- In Lowe_Receivers@yahoogroups.com, "GrahamSutton" <graham@...> wrote:
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> Regards
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> Graham
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705. Re: Lowe SRX30 and Lowe SRX50

Yahoo group: Lowe_Receivers
Date: 2012-11-02 15:58:41 UTC
From: mikey
Topic: 690 Message: 705

this is the readout I have and I think it is outstanding.

http://www.pongrance.com/

--- In Lowe_Receivers@yahoogroups.com, "GrahamSutton" <graham@...> wrote:
>
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> Graham
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706. Re: [Lowe_Receivers] Re: Lowe SRX30 and Lowe SRX50

Yahoo group: Lowe_Receivers
Date: 2012-11-02 16:23:16 UTC
From: GrahamSutton
Topic: 690 Message: 706

Hi Mikey,

What radio did you couple it to?.

Graham

From: mikey
Sent: Friday, November 02, 2012 3:58 PM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Re: Lowe SRX30 and Lowe SRX50

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http://www.pongrance.com/

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> Graham
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707. Re: Lowe SRX30 and Lowe SRX50

Yahoo group: Lowe_Receivers
Date: 2012-11-04 00:42:25 UTC
From: mikey
Topic: 690 Message: 707

I should clarify that I haven't used it with a Lowe receiver but with others like an FRG-7 and HQ-180 and a few others .

you will have to do some schematic diagram studying to see where to tap into the radio.

I do know that it will work with the SRX-30

--- In Lowe_Receivers@yahoogroups.com, "GrahamSutton" <graham@...> wrote:
>
> Hi Mikey,
>
> What radio did you couple it to?.
>
> Graham
>
> From: mikey
> Sent: Friday, November 02, 2012 3:58 PM
> To: Lowe_Receivers@yahoogroups.com
> Subject: [Lowe_Receivers] Re: Lowe SRX30 and Lowe SRX50
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708. diy k-pad 1

Yahoo group: Lowe_Receivers
Date: 2012-11-18 12:10:26 UTC
From: chris_king54
Topic: 708 Message: 708

Hi,
Thought i would have a go at making one of these from scratch could anyone explain which way round Q2 needs to be Q2 is a voltage regulator the 3 leads being IN COMMON OUT
thanks

709. Re: diy k-pad 1

Yahoo group: Lowe_Receivers
Date: 2012-11-18 13:05:06 UTC
From: hairypete2
Topic: 708 Message: 709

```
The input is from D1/C4 (i.e. the keypad jack side).
The output is towards Q1/C3.
```

710. DIY k-pad 1

Yahoo group: Lowe_Receivers
Date: 2012-11-19 15:26:14 UTC
From: chris_king54
Topic: 710 Message: 710

Hi
As i mentioned in my previous post i am making a k-pad 1 to suit a hf 225 receiver, looking at the circuit diagram in the hf-225 service manual this is slightly different [capacitor and diode omitted]from the one in the file section.Can anyone shed any light on this.
Thanks

711. Re: DIY k-pad 1

Yahoo group: Lowe_Receivers
Date: 2012-11-23 12:57:42 UTC
From: hairypete2
Topic: 710 Message: 711

--- In Lowe_Receivers@yahoogroups.com, "chris_king54" <chris_king54@...> wrote:
> Can anyone shed any light on this.

Looks like the answer is "no, nobody knows!"

I would speculate that in days of old it was common practice to decouple voltage regulators with 1µF or more. Indeed, most manufacturers specified this decoupling, both on the input and output, in order to guarantee stability. The diode is there to isolate the decoupling capacitor from the signal, and possibly to prevent the regulator from being reverse biased. Modern regulators appear to be more tolerant.

If I were to build it I would include the diode and capacitor.

712. Question re master oscillator adjust on HF-250

Yahoo group: Lowe_Receivers
Date: 2012-11-26 01:29:16 UTC
From: Dan
Topic: 712 Message: 712

Can anyone identify (preferably with photo) where the oscillator adjust is to bring the HF-250 smack on frequency?

Thanks

713. regarding the Sync action on the HF-150

Yahoo group: Lowe_Receivers
Date: 2012-12-06 19:01:08 UTC
From: tterry88
Topic: 713 Message: 713

Hi everyone,

Question for you all regarding the Sync on the HF-150. My sync function seems to work quite well. Too well maybe? If in SAD of SAF (sync AM modes) and locked on a station frequency the radio will try it's best to keep locked to it even when I dial noticeably away from the signal. My example would be: listening to BCB 9450 mHz in sync then dialing higher up the band to search for new signals. The sync will hold tight until about 9455-58 then finally let go like a slingshot and land the tuner about 20 kHz farther up the dial. Once this happens, I can dial on normally until I find the next signal to listen to. Stopping at it, the sync then begins to lock in again which is fine. This is true in either direction and on SAU or SAL for hams on any ham band as well. I'd like to say "it seems `sticky'" even "cemented on frequency".

In a ham band in SAL or SAU mode, I typically search by turning the dial clock-wise. To escape sync, I dial counter clock-wise rapidly about two revolutions and once freed of sync I continue clock-wise up the scale. And the sync mode for SSB is not kind to you as you try to find the next active frequency to listen to. It is gives a muffled tone and stopping doesn't really drop you on frequency, nor comfortably help you fine-dial to it.

What do you think, normal? Not normal? Adjustable?

Thanks for your response.

714. Re: [Lowe_Receivers] regarding the Sync action on the HF-150

Yahoo group: Lowe_Receivers
Date: 2012-12-06 19:40:45 UTC
From: crabtreejr@aol.com
Topic: 713 Message: 714

Synchronous detection is not designed to be used with normal SSB tranmissions.

I do not recall just how the HF-150 does sync detection. It does not matter. Either it is trying to recover the carrier by hard limiting the signal. In this case there is no carrier to recover and you will not extract a constant carrier frequency. Or ithe sync detector will try and lock to a constant carrier, which is not there, and so it will wander around based upon the signal.

If the SSB signal had a pilot carrier, eg 16db below peak envelope power, the sync detector should work. I do not know if anybody uses SSB with a pilot carrier these days.

And so I am not surprised it does not work well. IMHO there is nothing to worry about.

HTH and 73

John KC0G

In a message dated 12/6/2012 1:01:23 PM Central Standard Time, tthiewes@... writes:
> Hi everyone,
>
> Question for you all regarding the Sync on the HF-150. My sync function
> seems to work quite well. Too well maybe? If in SAD of SAF (sync AM modes)
> and locked on a station frequency the radio will try it's best to keep locked
> to it even when I dial noticeably away from the signal. My example would
> be: listening to BCB 9450 mHz in sync then dialing higher up the band to
> search for new signals. The sync will hold tight until about 9455-58 then
> finally let go like a slingshot and land the tuner about 20 kHz farther up the
> dial. Once this happens, I can dial on normally until I find the next
> signal to listen to. Stopping at it, the sync then begins to lock in again which
> is fine. This is true in either direction and on SAU or SAL for hams on
> any ham band as well. I'd like to say "it seems `sticky'" even "cemented on
> frequency".
>
> In a ham band in SAL or SAU mode, I typically search by turning the dial
> clock-wise. To escape sync, I dial counter clock-wise rapidly about two
> revolutions and once freed of sync I continue clock-wise up the scale. And the
> sync mode for SSB is not kind to you as you try to find the next active
> frequency to listen to. It is gives a muffled tone and stopping doesn't really
> drop you on frequency, nor comfortably help you fine-dial to it.
>
> What do you think, normal? Not normal? Adjustable?

>
> Thanks for your response.
>

715. Re: regarding the Sync action on the HF-150

Yahoo group: Lowe_Receivers
Date: 2012-12-07 14:12:21 UTC
From: Dale Parfitt
Topic: 713 Message: 715

SYNC mode is for AM not for SSB. Sync is designed to reduce the effects of phase distortion and those instances caused by selective fading where the carrier is partially nulled-resulting in the over modualtion sounding distortion.
SYNC is not appropriate for SSB as these conditions cannot exist.

Dale W4OP

716. Fraser returns but emailaddress has changed.

Yahoo group: Lowe_Receivers
Date: 2012-12-09 22:30:45 UTC
From: Fraser
Topic: 716 Message: 716

Hi to all who remenber me,

I have been away from thsi group for some time due to illness but I have returned to see how things are going in teh world of Lowe receivers.

Anyone who has my @... email address please change the ending to @... as I have recently moved to BT Infinity fibre optic for my broadband service (no regrets either).

I hope to be around more often but my ongoing illness dictates activities these days, so please be patient when asking questions of me.

For those who are looking for technical help or repairs on Lowe receivers, I may be able to help in the future. I have one poor chaps HF-150 that has been with me for far too long though, so that will be the first to be completed shortly. Others may be considered on a case by case basis depending upon my other commitments. Personal Message me if required. Spares are still available from me and possible from the Lowe workshop but sadly I have not been in contact with Tony recently to confirm the situation.

Seasons Greetings to one and all ! :-)

TTFN

Fraser
Group Owner

717. Re: [Lowe_Receivers] Fraser returns but emailaddress has changed.

Yahoo group: Lowe_Receivers
Date: 2012-12-10 04:37:41 UTC
From: N.A.Janardan Rao
Topic: 716 Message: 717

Fraser,
Here is wishing that whatever ails you will go away soon and that you are a well man again. It has been a long time you have been away, and that raises a lot of concerns.

My much repaired 150 is doing fine so far, except: some drift of frequency in cold weather, and needs replacing the old on-off switch, which you so thoughtfully included in the parcel. Regards, NAJR.

From: Fraser <fraser.castle@virgin.net>
To: Lowe_Receivers@yahoogroups.com
Sent: Monday, December 10, 2012 4:00 AM
Subject: [Lowe_Receivers] Fraser returns but emailaddress has changed.

Hi to all who remenber me,

I have been away from thsi group for some time due to illness but I have returned to see how things are going in teh world of Lowe receivers.

Anyone who has my @... email address please change the ending to @... as I have recently moved to BT Infinity fibre optic for my broadband service (no regrets either).

I hope to be around more often but my ongoing illness dictates activities these days, so please be patient when asking questions of me.

For those who are looking for technical help or repairs on Lowe receivers, I may be able to help in the future. I have one poor chaps HF-150 that has been with me for far too long though, so that will be the first to be completed shortly. Others may be considered on a case by case basis depending upon my other commitments. Personal Message me if required. Spares are still available from me and possible from the Lowe workshop but sadly I have not been in contact with Tony recently to confirm the situation.

Seasons Greetings to one and all ! :-)

TTFN

Fraser
Group Owner

718. Re: [Lowe_Receivers] Fraser returns but emailaddress has changed.

Yahoo group: Lowe_Receivers
Date: 2012-12-10 08:24:08 UTC
From: Bob Warriner
Topic: 716 Message: 718

Hello Fraser,
It's only recently that I've rekindled my interest in the HF-150 again, I was lucky enough to be able to buy one a few days ago from a very nice chap that knows you quite well.
So sorry to hear that you haven't been too well, I do hope that everything is OK now and in the future.
We spoke quite regularly about Lowe gear a few years ago, and you bought a few things off me as well, so looking forward to chewing the fat again.

If you just happen to have an IF-150 lying about that you could sell me, I would be over the moon, I haven't got Tony's contact details anymore, not even sure that he is still around.
I remember that Tony was selling off lots of Lowe components a few years ago, if memory serves I think there were some IF-150 circuit boards complete with most of the components?
I bought a lot of those bits (as you and some others did) at the time, but sold mine off...idiot or what!!

Anyway, hope to see you around again, just like the old days
Best wishes, and have a relaxing Christmas.
Rgds Bob.

719. RE: [Lowe_Receivers] Fraser returns but emailaddress has changed.

Yahoo group: Lowe_Receivers
Date: 2012-12-10 10:02:52 UTC
From: Fraser Castle
Topic: 716 Message: 719

Hi Bob,

Good to hear from you again.

You were not an idiot to sell your Lowe spares. I sold several 'sets' of spares to raise some cash a little while ago and the prices they achieved were surprising ! I still have plenty of spares left though so if you ever need anything, just ask J

I do have some IF-150's and you can have one for what I paid for it. I have not had any contact with Tony for some time. I thought he had sold all of his IF-150's but I may be wrong. I have the custom IF-150 chips and crystal but for what a complete IF-150 costs it isn't really worth the effort. From memory I paid Tony GBP35 each for my complete IF-150 interfaces (not just a PCB) but I will check and get back to you. I still have populated KPAD-1 PCB's as well if you don't have a keypad yet.

Kindest Regards to you and yours

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of Bob Warriner
Sent: 10 December 2012 08:24
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] Fraser returns but emailaddress has changed.

Hello Fraser,

It's only recently that I've rekindled my interest in the HF-150 again, I was lucky enough to be able to buy one a few days ago from a very nice chap that knows you quite well.

So sorry to hear that you haven't been too well, I do hope that everything is OK now and in the future.

We spoke quite regularly about Lowe gear a few years ago, and you bought a few things off me as well, so looking forward to chewing the fat again.

If you just happen to have an IF-150 lying about that you could sell me, I would be over the moon, I haven't got Tony's contact details anymore, not even sure that he is still around.

I remember that Tony was selling off lots of Lowe components a few years ago, if memory serves I think there were some IF-150 circuit boards complete with most of the components?

I bought a lot of those bits (as you and some others did) at the time, but sold mine off...idiot or what!!

Anyway, hope to see you around again, just like the old days

Best wishes, and have a relaxing Christmas.

Rgds Bob.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2805 / Virus Database: 2634/5947 - Release Date: 12/09/12

720. Re: Fraser returns but emailaddress has changed.

Yahoo group: Lowe_Receivers
Date: 2012-12-10 10:53:06 UTC
From: Bob
Topic: 716 Message: 720

Hi Fraser.
Thanks for the offer of the IF-150, I think I'm sorted now, another group member saw my original post to you and offered me a couple.
Maybe a keypad PCB would be a good idea though.....
BTW: How are you getting on with BT's fibre optic broadband? what sort of speeds are you attaining?
We are supposed to be getting that service down here along the South Coast soon, would be interested to know performance and relative cost details.
All the best.
Bob.

--- In Lowe_Receivers@yahoogroups.com, "Fraser Castle" <fraser.castle@...> wrote:
>
> Hi Bob,
>
>
>
> Good to hear from you again.
>
>
>
> You were not an idiot to sell your Lowe spares. I sold several 'sets' of
> spares to raise some cash a little while ago and the prices they achieved
> were surprising ! I still have plenty of spares left though so if you ever
> need anything, just ask J
>
>
>
> I do have some IF-150's and you can have one for what I paid for it. I have
> not had any contact with Tony for some time. I thought he had sold all of
> his IF-150's but I may be wrong. I have the custom IF-150 chips and crystal
> but for what a complete IF-150 costs it isn't really worth the effort. From
> memory I paid Tony GBP35 each for my complete IF-150 interfaces (not just a
> PCB) but I will check and get back to you. I still have populated KPAD-1
> PCB's as well if you don't have a keypad yet.
>
>
>
> Kindest Regards to you and yours
>
>
>
> Fraser
>
>

>
> From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
> On Behalf Of Bob Warriner
> Sent: 10 December 2012 08:24
> To: Lowe_Receivers@yahoogroups.com
> Subject: Re: [Lowe_Receivers] Fraser returns but emailaddress has changed.
>
>
>
>
>
> Hello Fraser,
>
> It's only recently that I've rekindled my interest in the HF-150 again, I
> was lucky enough to be able to buy one a few days ago from a very nice chap
> that knows you quite well.
>
> So sorry to hear that you haven't been too well, I do hope that everything
> is OK now and in the future.
>
> We spoke quite regularly about Lowe gear a few years ago, and you bought a
> few things off me as well, so looking forward to chewing the fat again.
>
>
>
> If you just happen to have an IF-150 lying about that you could sell me, I
> would be over the moon, I haven't got Tony's contact details anymore, not
> even sure that he is still around.
>
> I remember that Tony was selling off lots of Lowe components a few years
> ago, if memory serves I think there were some IF-150 circuit boards complete
> with most of the components?
>
> I bought a lot of those bits (as you and some others did) at the time, but
> sold mine off...idiot or what!!
>
>
>
> Anyway, hope to see you around again, just like the old days
>
> Best wishes, and have a relaxing Christmas.
>
> Rgds Bob.
>
>
>
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>
>
>

> -----
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2013.0.2805 / Virus Database: 2634/5947 - Release Date: 12/09/12
>

721. Re: Fraser returns but emailaddress has changed.

Yahoo group: Lowe_Receivers
Date: 2012-12-10 17:47:05 UTC
From: driftermick
Topic: 716 Message: 721

Fraser.

How wonderful to see your name in the header again.
Welcome back my friend. I hope all works out for
you. We are still here, still kicking, and still
making trouble.

Drifter...

--- In Lowe_Receivers@yahoogroups.com, "Fraser " <fraser.castle@...> wrote:
>
> Hi to all who remenber me,
>
> I have been away from thsi group for some time due to illness but I have returned to see how things are going in teh world of Lowe receivers.
>
> Anyone who has my @... email address please change the ending to @btinternet.com as I have recently moved to BT Infinity fibre optic for my broadband service (no regrets either).
>
> I hope to be around more often but my ongoing illness dictates activities these days, so please be patient when asking questions of me.
>
> For those who are looking for technical help or repairs on Lowe receivers, I may be able to help in the future. I have one poor chaps HF-150 that has been with me for far too long though, so that will be the first to be completed shortly. Others may be considered on a case by case basis depending upon my other commitments. Personal Message me if required. Spares are still available from me and possible from the Lowe workshop but sadly I have not been in contact with Tony recently to confirm the situation.
>
> Seasons Greetings to one and all ! :-)
>
> TTFN
>
> Fraser
> Group Owner
>

722. Re: [Lowe_Receivers] Fraser returns but emailaddress has changed.

Yahoo group: Lowe_Receivers
Date: 2012-12-10 20:16:29 UTC
From: alex mclaggan
Topic: 716 Message: 722

Hi Fraser,

I'm a relative newcomer with an SRX-30D; still trying to get it to sing properly.

Welcome back, and thanks for the "intro".

Merry Christmas
Alan McLennan
Corby (for the moment)
G7DCF

On 9 December 2012 22:30, Fraser <fraser.castle@...> wrote:

> **
>
>
> Hi to all who remenber me,
>
> I have been away from thsi group for some time due to illness but I have
> returned to see how things are going in teh world of Lowe receivers.
>
> Anyone who has my @... email address please change the ending to @
> btinternet.com as I have recently moved to BT Infinity fibre optic for my
> broadband service (no regrets either).
>
> I hope to be around more often but my ongoing illness dictates activities
> these days, so please be patient when asking questions of me.
>
> For those who are looking for technical help or repairs on Lowe receivers,
> I may be able to help in the future. I have one poor chaps HF-150 that has
> been with me for far too long though, so that will be the first to be
> completed shortly. Others may be considered on a case by case basis
> depending upon my other commitments. Personal Message me if required.
> Spares are still available from me and possible from the Lowe workshop but
> sadly I have not been in contact with Tony recently to confirm the
> situation.
>
> Seasons Greetings to one and all ! :-)
>
> TTFN
>
> Fraser
> Group Owner
>
>

>

723. Re: regarding the Sync action on the HF-150

Yahoo group: Lowe_Receivers
Date: 2012-12-10 20:23:48 UTC
From: tterry88
Topic: 713 Message: 723

Thanks Dale and John,

Indeed, after getting your responses I looked up Carrier signals in my ARRL Ham Training book (never took the test - sorry) and like you said, SSB does not use a carrier and so I don't use SAu and SAl on ham bands. The Lowe HF-150 does well enough on SSB anyway. Regarding the Hard lock on AM signals, and breaking the lock when dialing on, I'll just mark it up to an aggressive sync action. . .

Terry,

--- In Lowe_Receivers@yahoogroups.com, "Dale Parfitt" <parinc1@...> wrote:
>
> SYNC mode is for AM not for SSB. Sync is designed to reduce the effects of phase distortion and those instances caused by selective fading where the carrier is partially nulled- resulting in the over modualtion sounding distortion.
> SYNC is not appropriate for SSB as these conditions cannot exist.
>
> Dale W4OP
>

724. Fraser returns

Yahoo group: Lowe_Receivers
Date: 2012-12-11 13:52:14 UTC
From: Dale Parfitt
Topic: 724 Message: 724

Wonderful to have you back Fraser. You are the glue that holds us all together.
I hope you and your family- and the entire group- have a blessed Christmas.

Dale W4OP

725. Re: [Lowe_Receivers] Fraser returns but emailaddress has changed.

Yahoo group: Lowe_Receivers
Date: 2012-12-11 15:27:02 UTC
From: William Spenkelink
Topic: 716 Message: 725

Very pleased to see your information again,Fraser.
Hope your health will be better in the future.
All the best and take care!

swl64-William(Netherlands)

From: Fraser
Sent: Sunday, December 09, 2012 11:30 PM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Fraser returns but emailaddress has changed.

Hi to all who remenber me,

I have been away from thsi group for some time due to illness but I have returned to see how things are going in teh world of Lowe receivers.

Anyone who has my @... email address please change the ending to @... as I have recently moved to BT Infinity fibre optic for my broadband service (no regrets either).

I hope to be around more often but my ongoing illness dictates activities these days, so please be patient when asking questions of me.

For those who are looking for technical help or repairs on Lowe receivers, I may be able to help in the future. I have one poor chaps HF-150 that has been with me for far too long though, so that will be the first to be completed shortly. Others may be considered on a case by case basis depending upon my other commitments. Personal Message me if required. Spares are still available from me and possible from the Lowe workshop but sadly I have not been in contact with Tony recently to confirm the situation.

Seasons Greetings to one and all ! :-)

TTFN

Fraser
Group Owner

727. "S" meter circuit for the HF-150

Yahoo group: Lowe_Receivers
Date: 2012-12-23 08:08:13 UTC
From: Bob
Topic: 727 Message: 727

Good morning all.
I hope you all enjoy the Christmas break and have a good New Year.

I recently acquired a very nice HF-150 from one of our members and it got me thinking about a signal strength meter.

There are two possibilities as far as I can see:
1) The one that JT designed for the SP-150.
2) The basic one that JT suggested earlier.

I'm inclined to go for the simpler designed as the whole circuit could be built onto a small piece of board and fitted internally with easy access to the 5 volt line.

Looking at the circuit it occurred to me that only 3 connections to the Op-amp are necessary compared to the SP-150 circuit that requires a separate power supply to provide +5 and -5 volts and quite a few extra components that couldn't be fitted inside the receiver.
I don't have any information on the type of op-amp JT had in mind when he designed the "suggested" circuit and would be grateful to hear from anyone that has built this simpler circuit and which op-amp was used (I have a few of the type used in the SP-150 that should do the job)

I would be quite happy to use the simpler design as I only need it as a reference point for signal strength, (I use a Wellbrook rotatable Loop)
My receiver has already had the 2.5mm socket fitted along with the 470k resistor.
This receiver is a keeper, so will also carry out the display illumination mod given time.

Bob(UK)

728. PW Active HF Pre-selector

Yahoo group: Lowe_Receivers
Date: 2012-12-27 11:01:49 UTC
From: ianmotty
Topic: 728 Message: 728

Hi All,

In this months Practical Wireless Magazine is an article on building an Active Tunable HF Pre-selector which is also available in kit form or built.
Full details are given to build yourself including PCB.
It would be a nice addition to HF150, I think.

Seasons Greetings.
Ian

729. Re: [Lowe_Receivers] PW Active HF Pre-selector

Yahoo group: Lowe_Receivers
Date: 2012-12-27 14:50:08 UTC
From: crabtreejr@aol.com
Topic: 728 Message: 729

Hello Ian

Please tell us more. From the Practical Wireless web page at:
http://www.pwpublishing.ltd.uk/?page_id=632
I see that the pre-selector has benn designed by Tony Nailer, G4CFY. He
and his wife own Spectrum Communications, whose web site is at:
http://www.spectrumcomms.co.uk/index.html
However I see no mention of the pre-selector there.

Here are some questions:
1. What is the basic circuit configuration?

2. Is it tuned or untuned?

3. If tuned, is it done by a variable capacitor, or varicap diodes?

4. What are the prices, in kit form and fully built, and where does one
get one?

Tnx and 73

John KC0G
.

In a message dated 12/27/2012 5:02:01 AM Central Standard Time,
ian.motty@... writes:
> Hi All,
>
> In this months Practical Wireless Magazine is an article on building an
> Active Tunable HF Pre-selector which is also available in kit form or built.
> Full details are given to build yourself including PCB.
> It would be a nice addition to HF150, I think.
>
> Seasons Greetings.
> Ian
>

730. Re: PW Active HF Pre-selector

Yahoo group: Lowe_Receivers
Date: 2012-12-27 17:05:30 UTC
From: ianmotty
Topic: 728 Message: 730

Hi John,

I guess the info will be on the Spectrum Communications website soon.
The circuit has a switchable input and output circuits , switched together in banks (toyo inductors).These are peaked by a dual gang broadcast type capacitor. On the output is a FET pre-amp with adjustable gain.
A email to G4CFY via Spectrum website would get more info.
tony@...

Ian

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
> Hello Ian
>
> Please tell us more. From the Practical Wireless web page at:
> http://www.pwpublishing.ltd.uk/?page_id=632
> I see that the pre-selector has benn designed by Tony Nailer, G4CFY. He Comunications
> and his wife own Spectrum Communications, whose web site is at:
> http://www.spectrumcomms.co.uk/index.html
> However I see no mention of the pre-selector there.Comunications
>
> Here are some questions:
> 1. What is the basic circuit configuration?
>
> 2. Is it tuned or untuned?
>
> 3. If tuned, is it done by a variable capacitor, or varicap diodes?
>
> 4. What are the prices, in kit form and fully built, and where does one
> get one?
>
> Tnx and 73
>
> John KC0G
> .
>
> In a message dated 12/27/2012 5:02:01 AM Central Standard Time,
> ian.motty@... writes:
> > Hi All,
> >
> > In this months Practical Wireless Magazine is an article on building an
> > Active Tunable HF Pre-selector which is also available in kit form or built.
> > Full details are given to build yourself including PCB.
> > It would be a nice addition to HF150, I think.
> >

> > Seasons Greetings.
> > Ian
> >
>

731. Re: Question re master oscillator adjust on HF-250

Yahoo group: Lowe_Receivers
Date: 2012-12-27 18:13:54 UTC
From: Dan
Topic: 712 Message: 731

Hi all and happy new year in advance -- just wondering
if anyone can answer this questionn posted earlier in the
month?

Thanks

--- In Lowe_Receivers@yahoogroups.com, "Dan" <darobin12001@...> wrote:
>
> Can anyone identify (preferably with photo) where
> the oscillator adjust is to bring the HF-250 smack
> on frequency?
>
> Thanks
>

732. Re: [Lowe_Receivers] Re: Question re master oscillator adjust on HF-250

Yahoo group: Lowe_Receivers
Date: 2012-12-28 02:53:36 UTC
From: crabtreejr@aol.com
Topic: 712 Message: 732

Hello

There is not just one single adjustement.

Lowe never produced a service manual for the HF-250. The frequency generation schemes for the HF-150 and HF-225 are similar but not identical. I would start by finding copies of those service manuals and looking through the frequency calibration information.

Essentially there are three adjustments:
1. The crystal for the microprocessor controller. This provides a frequency reference to the 1 kHz step PLL. You will find that on the front panel, just above the MPU chip. It is labelled TC31. You can see it in "Option Links" picture in the HF-250 internals" folder in the photos section of this group.

2. Set the crystal frequency for the 2nd local oscillator

3. Set the tuning range of the varicap diode for the 2nd local oscilaltor. You will need to look at the schamtics to find the relevant components and find them on the main board.

You may or not be aware that the HF-250 has some sort of test capability to assist with setting up the oscillators. I do not know how to access it.

Any way, you make adjustments at your own risk. You do not give any indication as to your location. If you are in the UK, you could perhaps have Lowe do the work, or at least talk to Toni.

HTH and 73

John KC0G

In a message dated 12/27/2012 12:13:58 PM Central Standard Time, darobin12001@... writes:
> Hi all and happy new year in advance -- just wondering
> if anyone can answer this questionn posted earlier in the
> month?
>
> Thanks
>
> --- In Lowe_Receivers@yahoogroups.com, "Dan" <darobin12001@...> wrote:
> >
> > Can anyone identify (preferably with photo) where
> > the oscillator adjust is to bring the HF-250 smack
> > on frequency?
> >

> > Thanks
> >
>
>
>
>

733. Re: [Lowe_Receivers] Re: Question re master oscillator adjust on HF-250

Yahoo group: Lowe_Receivers
Date: 2012-12-28 04:10:50 UTC
From: Daniel Robinson
Topic: 712 Message: 733

Thanks so much for the response on this.

From: "crabtreejr@..." <crabtreejr@...>
To: Lowe_Receivers@yahoogroups.com
Sent: Thursday, December 27, 2012 9:53 PM
Subject: Re: [Lowe_Receivers] Re: Question re master oscillator adjust on HF-250

Hello

There is not just one single adjustement.

Lowe never produced a service manual for the HF-250. The frequency generation schemes for the HF-150 and HF-225 are similar but not identical. I would start by finding copies of those service manuals and looking through the frequency calibration information.

Essentially there are three adjustments:
1. The crystal for the microprocessor controller. This provides a frequency reference to the 1 kHz step PLL. You will find that on the front panel, just above the MPU chip. It is labelled TC31. You can see it in "Option Links" picture in the HF-250 internals" folder in the photos section of this group.

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You may or not be aware that the HF-250 has some sort of test capability to assist with setting up the oscillators. I do not know how to access it.

Any way, you make adjustments at your own risk. You do not give any indication as to your location. If you are in the UK, you could perhaps have Lowe do the work, or at least talk to Toni.

HTH and 73

John KC0G

In a message dated 12/27/2012 12:13:58 PM Central Standard Time, darobin12001@... writes:

Hi all and happy new year in advance -- just wondering
>if anyone can answer this questionn posted earlier in the
>month?
>
>Thanks
>
>--- In Lowe_Receivers@yahoogroups.com, "Dan" <darobin12001@...> wrote:
>>

>> Can anyone identify (preferably with photo) where
>> the oscillator adjust is to bring the HF-250 smack
>> on frequency?
>>
>> Thanks
>>
>
>
>
>

734. HF250 RS232 serial port

Yahoo group: Lowe_Receivers
Date: 2013-01-22 18:06:39 UTC
From: John Rabson
Topic: 734 Message: 734

Do the message strings to and from this port have terminating character(s) and if so what?

The manual I have does not make this clear. Possibilities seem to be: CR, CRLF, LF, LFCR.

Can anybody advise, please?

Regards,
John Rabson

735. HF-150: Actual power consumption.

Yahoo group: Lowe_Receivers
Date: 2013-02-05 23:01:14 UTC
From: lanberglarry
Topic: 735 Message: 735

Hello,

Has anyone measured the current draw of the HF-150? I noticed the user manual gives a range of 130-300 mA, and I'm not sure exactly what the range means. Is that 130 mA with no signal, volume down? And 300 mA with strong signal, volume high?

Thanks in advance, if anybody knows.

Larry

736. Re: HF-150: Actual power consumption.

Yahoo group: Lowe_Receivers
Date: 2013-02-07 20:14:47 UTC
From: g1drp
Topic: 735 Message: 736

Hi Larry,

I did measure it once and I think it was around 250 mA. I know my ICOM R75 draws 750 mA and 15 mA switched off!
I'll measure it for you this weekend.

73,

Ian G1DRP
--- In Lowe_Receivers@yahoogroups.com, "lanberglarry" wrote:
>
> Hello,
>
> Has anyone measured the current draw of the HF-150? I noticed the user manual gives a range of 130-300 mA, and I'm not sure exactly what the range means. Is that 130 mA with no signal, volume down? And 300 mA with strong signal, volume high?
>
> Thanks in advance, if anybody knows.
>
>
> Larry
>

737. Will the HF-125 FM board.....

Yahoo group: Lowe_Receivers
Date: 2013-02-07 20:17:40 UTC
From: g1drp
Topic: 737 Message: 737

..... Work in the HF-225?

I have a tatty 125 and would like to add synchronous AM to my 225.

Thanks in advance,

Ian

738. Re: [Lowe_Receivers] Will the HF-125 FM board.....

Yahoo group: Lowe_Receivers
Date: 2013-02-08 05:56:46 UTC
From: crabtreejr@...
Topic: 737 Message: 738

Hello Ian

The simple answer is "at best, not completely".

A brief look at both the HF-125 and HF-225 serviice manuals shows that the D-125 and D-225 boards have different circuits. However the boards appear to be similar in size and both have a 10-pin connector. 9 of the 10 pins appear to have the same function. The 10th does not. On the D-125 that piin is grounded. On the D-225 that pin is used to take a signal the board to drive the"Lock" sign on the LCD display.

And so, if the D-125 does "work" in an HF-225, the "LOCK" display will not work correctly. It may never come on. It may be on all the time in synchronous mode only. Or it may be on all the time regardless of mode.

One other thing to check would be that the pin functions were not reversed on the layout between the D-125 and D-225.

You might want to spend some time with both service manauls before going ahead with anything.

HTH and 73

John KC0G

In a message dated 2/7/2013 2:17:47 PM Central Standard Time,
i.m.hand@... writes:
> ..... Work in the HF-225?
>
> I have a tatty 125 and would like to add synchronous AM to my 225.
>
> Thanks in advance,
>
> Ian
>

739. Re: HF-150: Actual power consumption.

Yahoo group: Lowe_Receivers
Date: 2013-02-09 17:08:29 UTC
From: valleyjinker
Topic: 735 Message: 739

IIRC, the programming pin to the first mixer which controls its operating current is arranged to track the radio's supply voltage. The higher the supply voltage the (disproportionally) higher the current draw, and the better the radio's intermodulation performance is.

My memory's not what it used to be, so the above maybe bollocks, but it could easily be proved/disproved.

Additionally, The current will depend on how far the volume is turned up(!)

--- In Lowe_Receivers@yahoogroups.com, "g1drp" wrote:
>
>
>
>
> Hi Larry,
>
> I did measure it once and I think it was around 250 mA. I know my ICOM R75 draws 750 mA and 15 mA switched off!
> I'll measure it for you this weekend.
>
> 73,
>
> Ian G1DRP
> --- In Lowe_Receivers@yahoogroups.com, "lanberglarry" wrote:
> >
> > Hello,
> >
> > Has anyone measured the current draw of the HF-150? I noticed the user manual gives a range of 130-300 mA, and I'm not sure exactly what the range means. Is that 130 mA with no signal, volume down? And 300 mA with strong signal, volume high?
> >
> > Thanks in advance, if anybody knows.
> >
> >
> > Larry
> >
>

740. Re: HF-150: Actual power consumption.

Yahoo group: Lowe_Receivers
Date: 2013-02-09 21:54:40 UTC
From: lanberglarry
Topic: 735 Message: 740

Thanks, 250 mA, that's kind of what I was figuring. I like using the HF-150 on battery power. One famous review implies that the radio is a battery hog, but I haven't found that to be the case.

Larry

741. Using Rechargeable Batteries with HF-150

Yahoo group: Lowe_Receivers
Date: 2013-02-10 10:45:36 UTC
From: donal.leader
Topic: 741 Message: 741

Just wondering what the current wisdom is on using re-chargeable batteries with the HF-150. NiCad batteries are virtually impossible to obtain in stores at the moment (although still available online).

I have read that there is no issue in regard to using NiMH batteries as long as you don't apply AC power at the same time. Essentially, this makes the inbuilt charger redundant. Others suggest that you can use the HF-150 to recharge NiMH batteries.

So, I am just wondering what the current wisdom and experience is on this issue.

Donal, Dublin, Ireland

742. Re: [Lowe_Receivers] Using Rechargeable Batteries with HF-150

Yahoo group: Lowe_Receivers
Date: 2013-02-10 10:51:06 UTC
From: Bob Warriner
Topic: 741 Message: 742

Hi Donal.
In my experience, I have never had any problem charging NiMH batteries in the HF-150, quite safe to keep AC power on IMO.
Can't wait for the rugby :-)

Rgds Bob.

----- Original Message -----
From: donal.leader
To: Lowe_Receivers@yahoogroups.com
Sent: Sunday, February 10, 2013 10:45 AM
Subject: [Lowe_Receivers] Using Rechargeable Batteries with HF-150

Just wondering what the current wisdom is on using re-chargeable batteries with the HF-150. NiCad batteries are virtually impossible to obtain in stores at the moment (although still available online).

I have read that there is no issue in regard to using NiMH batteries as long as you don't apply AC power at the same time. Essentially, this makes the inbuilt charger redundant. Others suggest that you can use the HF-150 to recharge NiMH batteries.

So, I am just wondering what the current wisdom and experience is on this issue.

Donal, Dublin, Ireland

743. Re: Using Rechargeable Batteries with HF-150

Yahoo group: Lowe_Receivers
Date: 2013-02-10 14:29:55 UTC
From: valleyjinker
Topic: 741 Message: 743

The radio will charge any batteries fitted indefinitely while-ever the power supply is connected and powered.

The charging system is very basic and relies on the user to stop the charging process at the right time.

Leaving any rechargeable battery in the radio on charge for - say a week - will do damage to the battery.

If you have accidentally left ordinary alkaline batteries in the radio, and charge them in this way, the radio will be destroyed by the resulting leaking battery electrolyte.

Strong words. But the charging system design of the '150 has wrecked many of them.

-- In Lowe_Receivers@yahoogroups.com, "Bob Warriner" wrote:
>
> Hi Donal.
> In my experience, I have never had any problem charging NiMH batteries in the HF-150, quite safe to keep AC power on IMO.
> Can't wait for the rugby :-)
>
> Rgds Bob.
>
>
> ----- Original Message -----
> From: donal.leader
> To: Lowe_Receivers@yahoogroups.com
> Sent: Sunday, February 10, 2013 10:45 AM
> Subject: [Lowe_Receivers] Using Rechargeable Batteries with HF-150
>
>
>
> Just wondering what the current wisdom is on using re-chargeable batteries with the HF-150. NiCad batteries are virtually impossible to obtain in stores at the moment (although still available online).
>
> I have read that there is no issue in regard to using NiMH batteries as long as you don't apply AC power at the same time. Essentially, this makes the inbuilt charger redundant. Others suggest that you can use the HF-150 to recharge NiMH batteries.
>
> So, I am just wondering what the current wisdom and experience is on this issue.
>
> Donal, Dublin, Ireland
>

744. FS- Fraser is selling his Lowe Receiver Collection !

Yahoo group: Lowe_Receivers
Date: 2013-02-10 14:44:40 UTC
From: Fraser
Topic: 744 Message: 744

Well fellow Lowe Receiver fans, the time has come.

My health has not been good of recent and I have had time to consider what is important in life. As a direct result I have decided that it is daft to have cupboards ull of unused (but still loved) radio receivers.

The sharp eyed amongst you may already have spotted that I recently sold on ebay.co.uk several HF-150's, an HF-225AMS and various other receivers and goodies.

The sale raised much needed funds to offset other recent purchases and I have decided to coninue selling equipment. Now before anyone gets exceited, thsi will not be a 'Fire Sale'. I do know the current value of the equipment that I am selling and I need to recover a resonable sum of money on it. I am not looking to rip anyone off, and those who know me, also know that I am a decent and honourable person. Take a look at my feedback on ebay... my ID is aurora_communications .

Ok what will I be offering for sale ?

Here is a quick list:

1. HF-150 - I had 17 but now have 14 left. All in superb condition, some in classic bronze, others in teh nice SMC Black colour. I have Black HF-150M Marine units and a very special HF-150M Marine in Bronze face, black case. The Marine versions can power an active aerial directly via the coax feed. Also be aware that most of teh SMC HF-150's have the superior optical encoder tuning that was fitted to the HF-150 Europa.

2. HF-125 - A classic collectors piece. I have 3 that I will sell. Condition is not mint due to age but pictures would be provided.

3. HF-225 - Another Classic that performs ! I have 3 of these to sell. I will find out which has AMS boards fitted. I know at least one does. These are in lovely condition.

4. HF-250 - I have 2 HF-250's that I will selle. Minor marks to cases. I will supply pictures and will even sympathetically restore cases if desired. The corners of thes receivers tend to wear through to the silver aluminium. This is not due to abuse and is easily restored.

5. HF-250E - I have one HF-250E version for sale. Not mint and again, I would supply pictures and sypathetic restoration if desired.

6. HF-150 SET - This si the ultimate for the HF-150 collector. A complete Rack set comprising HF-150, PR-150, SP-150 Reack + Extension. All in lovely condition.

7. HF-150 Mobile Mount - I have one of these, new in teh box. For vehicles and boats etc.

8. IF-150 RS232 interface - I have several original RS232 interfaces.

9. Lowe Receiver Spares - I have boxes of spares for the HF-150 and some for the HF-225. Brand new HF-150 Black Aluminiym Tune knobs...they look great on the HF-125, HF-225 and of course the HF-150. Replace that worn knob !

Members are welcome to contact me with expressions of interest, via personal message via this forum. Please be realistic though, I will not be giving these away as I can raise decent prices on ebay but then I pay 10 percent to them and i woudl rather sell to the Lowe community direct. This is a once only offer as when they are gone, they are gone. I will have no back-up stock.

I will not be listing prices as that is a matter to be discussed between me and a potential buyer of one of my receivers.

Regards to all

Fraser

Group Owner

745. Re: Will the HF-125 FM board.....

Yahoo group: Lowe_Receivers
Date: 2013-02-10 19:52:26 UTC
From: g1drp
Topic: 737 Message: 745

Hi John,
Thanks for replying to my message. I'll take a look at the relevant manuals.

73,
Ian

--- In Lowe_Receivers@yahoogroups.com, crabtreejr@... wrote:
>
> Hello Ian
>
> The simple answer is "at best, not completely".
>
> A brief look at both the HF-125 and HF-225 serviice manuals shows that the
> D-125 and D-225 boards have different circuits. However the boards appear
> to be similar in size and both have a 10-pin connector. 9 of the 10 pins
> appear to have the same function. The 10th does not. On the D-125 that piin
> is grounded. On the D-225 that pin is used to take a signal the board to
> drive the"Lock" sign on the LCD display.
>
> And so, if the D-125 does "work" in an HF-225, the "LOCK" display will not
> work correctly. It may never come on. It may be on all the time in
> synchronous mode only. Or it may be on all the time regardless of mode.
>
> One other thing to check would be that the pin functions were not reversed
> on the layout between the D-125 and D-225.
>
> You might want to spend some time with both service manauls before going
> ahead with anything.
>
> HTH and 73
>
> John KC0G
>
>
> In a message dated 2/7/2013 2:17:47 PM Central Standard Time,
> i.m.hand@... writes:
> > ..... Work in the HF-225?
> >
> > I have a tatty 125 and would like to add synchronous AM to my 225.
> >
> > Thanks in advance,
> >
> > Ian
> >
>

746. Re: [Lowe_Receivers] Using Rechargeable Batteries with HF-150

Yahoo group: Lowe_Receivers
Date: 2013-02-10 23:36:38 UTC
From: John Figliozzi
Topic: 741 Message: 746

I have to say that my experience has been the same as Bob's. I've left NiMH batteries in the radio indefinitely and used it both on the batteries and on mains with no issue whatsoever. Sometimes the radio has been plugged into mains with the NiMH batteries fitted for a month or more. No issue. Maybe I'm just lucky.

John Figliozzi
Sarasota, FL

On Feb 10, 2013, at 9:29 AM, valleyjinker wrote:

>
> The radio will charge any batteries fitted indefinitely while-ever the power supply is connected and powered.
>
> The charging system is very basic and relies on the user to stop the charging process at the right time.
>
> Leaving any rechargeable battery in the radio on charge for - say a week - will do damage to the battery.
>
> If you have accidentally left ordinary alkaline batteries in the radio, and charge them in this way, the radio will be destroyed by the resulting leaking battery electrolyte.
>
> Strong words. But the charging system design of the '150 has wrecked many of them.
>
> -- In Lowe_Receivers@yahoogroups.com, "Bob Warriner" wrote:
>>
>> Hi Donal.
>> In my experience, I have never had any problem charging NiMH batteries in the HF-150, quite safe to keep AC power on IMO.
>> Can't wait for the rugby :-)
>>
>> Rgds Bob.
>>
>>
>> ----- Original Message -----
>> From: donal.leader
>> To: Lowe_Receivers@yahoogroups.com
>> Sent: Sunday, February 10, 2013 10:45 AM
>> Subject: [Lowe_Receivers] Using Rechargeable Batteries with HF-150
>>
>>
>>
>> Just wondering what the current wisdom is on using re-chargeable batteries with the HF-150. NiCad batteries are virtually impossible to obtain in stores at the moment (although still available online).

>>
>> I have read that there is no issue in regard to using NiMH batteries as long as you don't apply AC power at the same time. Essentially, this makes the inbuilt charger redundant. Others suggest that you can use the HF-150 to recharge NiMH batteries.
>>
>> So, I am just wondering what the current wisdom and experience is on this issue.
>>
>> Donal, Dublin, Ireland
>>
>
>

747. Re: [Lowe_Receivers] Re: Using Rechargeable Batteries with HF-150

Yahoo group: Lowe_Receivers
Date: 2013-02-11 01:27:01 UTC
From: crabtreejr@...
Topic: 741 Message: 747

Strong words perhaps, but very wise.

i would not put any batteries into the radio which were not specified as being able to withstand a constant trickle charge. Very few NiCads were, and I simply don't know about NiMH cells. I suspect not.

Some people may have had good luck by continuously trickling charging cells. What happens if the cells do not like it? Why run the risk of ruining the radio?

IMHO one would be much better off either using a separate battery pack, or putting rechargeable cells into the internal battery packs, removing them when the radio is powered from the mains, and using an external charger which charges the cells individually.

My two cents worth

73 John KC0G

In a message dated 2/10/2013 8:30:00 AM Central Standard Time,
antoni@... writes:
> The radio will charge any batteries fitted indefinitely while-ever the
> power supply is connected and powered.
>
> The charging system is very basic and relies on the user to stop the
> charging process at the right time.
>
> Leaving any rechargeable battery in the radio on charge for - say a week -
> will do damage to the battery.
>
> If you have accidentally left ordinary alkaline batteries in the radio,
> and charge them in this way, the radio will be destroyed by the resulting
> leaking battery electrolyte.
>
> Strong words. But the charging system design of the '150 has wrecked many
> of them.
>
> -- In Lowe_Receivers@yahoogroups.com, "Bob Warriner" wrote:
> >
> > Hi Donal.
> > In my experience, I have never had any problem charging NiMH batteries
> in the HF-150, quite safe to keep AC power on IMO.
> > Can't wait for the rugby :-)
> >
> > Rgds Bob.
> >

> >
> > ----- Original Message -----
> > From: donal.leader
> > To: Lowe_Receivers@yahoogroups.com
> > Sent: Sunday, February 10, 2013 10:45 AM
> > Subject: [Lowe_Receivers] Using Rechargeable Batteries with HF-150
> >
> >
> >
> > Just wondering what the current wisdom is on using re-chargeable
> batteries with the HF-150. NiCad batteries are virtually impossible to obtain in
> stores at the moment (although still available online).
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> > I have read that there is no issue in regard to using NiMH batteries as
> long as you don't apply AC power at the same time. Essentially, this makes
> the inbuilt charger redundant. Others suggest that you can use the HF-150
> to recharge NiMH batteries.
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> > So, I am just wondering what the current wisdom and experience is on
> this issue.
> >
> > Donal, Dublin, Ireland
> >
>

748. Re: [Lowe_Receivers] Re: Using Rechargeable Batteries with HF-150

Yahoo group: Lowe_Receivers
Date: 2013-02-11 06:38:39 UTC
From: Bob Warriner
Topic: 741 Message: 748

Hi John.
I respect your point of view, but suspect that NiMH batteries being a modern design are also more intelligent.
I carried out some tests last night....I wanted to know what the charging current was with the batteries in my own HF-150.
These have been in the radio for the last six weeks or so and could be considered to be fully charged.....the result was 1.23 mA with radio switched off of course.
I have no hesitation in using good quality NiMH batteries and always have.
I have never used NiCads, but I suspect that it would be easier to overcharge those with the possibility of damage.

Rgds Bob.

Sent from my iPad

On 11 Feb 2013, at 01:27, crabtreejr@... wrote:

> Strong words perhaps, but very wise.
>
> i would not put any batteries into the radio which were not specified as being able to withstand a constant trickle charge. Very few NiCads were, and I simply don't know about NiMH cells. I suspect not.
>
> Some people may have had good luck by continuously trickling charging cells. What happens if the cells do not like it? Why run the risk of ruining the radio?
>
> IMHO one would be much better off either using a separate battery pack, or putting rechargeable cells into the internal battery packs, removing them when the radio is powered from the mains, and using an external charger which charges the cells individually.
>
> My two cents worth
>
> 73 John KC0G
>
>
> In a message dated 2/10/2013 8:30:00 AM Central Standard Time, antoni@... writes:
>
>> The radio will charge any batteries fitted indefinitely while-ever the power supply is connected and powered.
>>
>> The charging system is very basic and relies on the user to stop the charging process at the right time.
>>
>> Leaving any rechargeable battery in the radio on charge for - say a week - will do damage to the battery.
>>

>> If you have accidentally left ordinary alkaline batteries in the radio, and charge them in this way, the radio will be destroyed by the resulting leaking battery electrolyte.
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>> Strong words. But the charging system design of the '150 has wrecked many of them.
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>> -- In Lowe_Receivers@yahoogroups.com, "Bob Warriner" wrote:
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>> > Hi Donal.
>> > In my experience, I have never had any problem charging NiMH batteries in the HF-150, quite safe to keep AC power on IMO.
>> > Can't wait for the rugby :-)
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>> > Rgds Bob.
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>> > ----- Original Message -----
>> > From: donal.leader
>> > To: Lowe_Receivers@yahoogroups.com
>> > Sent: Sunday, February 10, 2013 10:45 AM
>> > Subject: [Lowe_Receivers] Using Rechargeable Batteries with HF-150
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>> >
>> >
>> > Just wondering what the current wisdom is on using re-chargeable batteries with the HF-150. NiCad batteries are virtually impossible to obtain in stores at the moment (although still available online).
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>> > I have read that there is no issue in regard to using NiMH batteries as long as you don't apply AC power at the same time. Essentially, this makes the inbuilt charger redundant. Others suggest that you can use the HF-150 to recharge NiMH batteries.
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>> > So, I am just wondering what the current wisdom and experience is on this issue.
>> >
>> > Donal, Dublin, Ireland
>> >
>
>
>

749. Re: FS- Fraser is selling his Lowe Receiver Collection !

Yahoo group: Lowe_Receivers
Date: 2013-02-11 07:42:17 UTC
From: Bob
Topic: 744 Message: 749

Hi Fraser, just seen your post, very sorry to hear that you are not feeling too well, I hope you soon recover your interest in the hobby, but understand your stance regarding what really matters as we grow a little older.
I hope you will find time to carry on as group owner and reply to posts here.
Just like to say that it has been a pleasure talking and dealing with you over the years.
Best wishes, Bob.

--- In Lowe_Receivers@yahoogroups.com, "Fraser " wrote:
>
>
>
> Well fellow Lowe Receiver fans, the time has come.
>
> My health has not been good of recent and I have had time to consider what is important in life. As a direct result I have decided that it is daft to have cupboards ull of unused (but still loved) radio receivers.
>
> The sharp eyed amongst you may already have spotted that I recently sold on ebay.co.uk several HF-150's, an HF-225AMS and various other receivers and goodies.
>
> The sale raised much needed funds to offset other recent purchases and I have decided to coninue selling equipment. Now before anyone gets exceited, thsi will not be a 'Fire Sale'. I do know the current value of the equipment that I am selling and I need to recover a resonable sum of money on it. I am not looking to rip anyone off, and those who know me, also know that I am a decent and honourable person. Take a look at my feedback on ebay... my ID is aurora_communications .
>
> Ok what will I be offering for sale ?
>
> Here is a quick list:
>
> 1. HF-150 - I had 17 but now have 14 left. All in superb condition, some in classic bronze, others in teh nice SMC Black colour. I have Black HF-150M Marine units and a very special HF-150M Marine in Bronze face, black case. The Marine versions can power an active aerial directly via the coax feed. Also be aware that most of teh SMC HF-150's have the superior optical encoder tuning that was fitted to the HF-150 Europa.
>
> 2. HF-125 - A classic collectors piece. I have 3 that I will sell. Condition is not mint due to age but pictures would be provided.
>
> 3. HF-225 - Another Classic that performs ! I have 3 of these to sell. I will find out which has AMS boards fitted. I know at least one does. These are in lovely condition.
>
> 4. HF-250 - I have 2 HF-250's that I will selle. Minor marks to cases. I will supply pictures and will even sympathetically restore cases if desired. The corners of thes

receivers tend to wear through to the silver aluminium. This is not due to abuse and is easily restored.
>
> 5. HF-250E - I have one HF-250E version for sale. Not mint and again, I would supply pictures and sypathetic restoration if desired.
>
> 6. HF-150 SET - This si the ultimate for the HF-150 collector. A complete Rack set comprising HF-150, PR-150, SP-150 Reack + Extension. All in lovely condition.
>
> 7. HF-150 Mobile Mount - I have one of these, new in teh box. For vehicles and boats etc.
>
> 8. IF-150 RS232 interface - I have several original RS232 interfaces.
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> 9. Lowe Receiver Spares - I have boxes of spares for the HF-150 and some for the HF-225. Brand new HF-150 Black Aluminiym Tune knobs...they look great on the HF-125, HF-225 and of course the HF-150. Replace that worn knob !
>
> Members are welcome to contact me with expressions of interest, via personal message via this forum. Please be realistic though, I will not be giving these away as I can raise decent prices on ebay but then I pay 10 percent to them and i woudl rather sell to the Lowe community direct. This is a once only offer as when they are gone, they are gone. I will have no back-up stock.
>
> I will not be listing prices as that is a matter to be discussed between me and a potential buyer of one of my receivers.
>
> Regards to all
>
> Fraser
>
> Group Owner
>

750. Re: FS- Fraser is selling his Lowe Receiver Collection !

Yahoo group: Lowe_Receivers
Date: 2013-02-11 07:46:55 UTC
From: Bob
Topic: 744 Message: 750

Hi Fraser, just seen your post, very sorry to hear that you are not feeling too well, I hope you soon recover your interest in the hobby, but understand your stance regarding what really matters as we grow a little older.
I hope you will find time to carry on as group owner and reply to posts here.
Just like to say that it has been a pleasure talking and dealing with you over the years.
Best wishes, Bob.

--- In Lowe_Receivers@yahoogroups.com, "Fraser " wrote:
>
>
>
> Well fellow Lowe Receiver fans, the time has come.
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> 2. HF-125 - A classic collectors piece. I have 3 that I will sell. Condition is not mint due to age but pictures would be provided.
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> 3. HF-225 - Another Classic that performs ! I have 3 of these to sell. I will find out which has AMS boards fitted. I know at least one does. These are in lovely condition.
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> 4. HF-250 - I have 2 HF-250's that I will selle. Minor marks to cases. I will supply pictures and will even sympathetically restore cases if desired. The corners of thes

receivers tend to wear through to the silver aluminium. This is not due to abuse and is easily restored.
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> 5. HF-250E - I have one HF-250E version for sale. Not mint and again, I would supply pictures and sypathetic restoration if desired.
>
> 6. HF-150 SET - This si the ultimate for the HF-150 collector. A complete Rack set comprising HF-150, PR-150, SP-150 Reack + Extension. All in lovely condition.
>
> 7. HF-150 Mobile Mount - I have one of these, new in teh box. For vehicles and boats etc.
>
> 8. IF-150 RS232 interface - I have several original RS232 interfaces.
>
> 9. Lowe Receiver Spares - I have boxes of spares for the HF-150 and some for the HF-225. Brand new HF-150 Black Aluminiym Tune knobs...they look great on the HF-125, HF-225 and of course the HF-150. Replace that worn knob !
>
> Members are welcome to contact me with expressions of interest, via personal message via this forum. Please be realistic though, I will not be giving these away as I can raise decent prices on ebay but then I pay 10 percent to them and i woudl rather sell to the Lowe community direct. This is a once only offer as when they are gone, they are gone. I will have no back-up stock.
>
> I will not be listing prices as that is a matter to be discussed between me and a potential buyer of one of my receivers.
>
> Regards to all
>
> Fraser
>
> Group Owner
>

751. Re: [Lowe_Receivers] FS- Fraser is selling his Lowe Receiver Collection !

Yahoo group: Lowe_Receivers
Date: 2013-02-11 08:36:11 UTC
From: N.A.Janardan Rao
Topic: 744 Message: 751

Fraser,

I am sorry to hear once again that your health has not been too good lately. You were such a gem of a chap to me, I wish there is something I could do.
Obviously your HF cupboard with all the goodies in it would interest me greatly, but I am restricted too: one foot in the grave and the other dragging towards it, or may be sheer old age per se. I have had to move on to less ambitious projects, and stave off drifting into inevitable old age nothingness.
I am sure you would already, but do take care of your health first and foremost, and get well again soon! Janardan.

From: Fraser <fraser.castle@...>
To: Lowe_Receivers@yahoogroups.com
Sent: Sunday, February 10, 2013 8:14 PM
Subject: [Lowe_Receivers] FS- Fraser is selling his Lowe Receiver Collection !

Well fellow Lowe Receiver fans, the time has come.

My health has not been good of recent and I have had time to consider what is important in life. As a direct result I have decided that it is daft to have cupboards ull of unused (but still loved) radio receivers.

The sharp eyed amongst you may already have spotted that I recently sold on ebay.co.uk several HF-150's, an HF-225AMS and various other receivers and goodies.

The sale raised much needed funds to offset other recent purchases and I have decided to coninue selling equipment. Now before anyone gets exceited, thsi will not be a 'Fire Sale'. I do know the current value of the equipment that I am selling and I need to recover a resonable sum of money on it. I am not looking to rip anyone off, and those who know me, also know that I am a decent and honourable person. Take a look at my feedback on ebay... my ID is aurora_communications .

Ok what will I be offering for sale ?

Here is a quick list:

1. HF-150 - I had 17 but now have 14 left. All in superb condition, some in classic bronze, others in teh nice SMC Black colour. I have Black HF-150M Marine units and a very special HF-150M Marine in Bronze face, black case. The Marine versions can power an active aerial directly via the coax feed. Also be aware that most of teh SMC HF-150's have the superior optical encoder tuning that was fitted to the HF-150 Europa.

2. HF-125 - A classic collectors piece. I have 3 that I will sell. Condition is not mint due to age but pictures would be provided.

3. HF-225 - Another Classic that performs ! I have 3 of these to sell. I will find out which has AMS boards fitted. I know at least one does. These are in lovely condition.

4. HF-250 - I have 2 HF-250's that I will selle. Minor marks to cases. I will supply pictures and will even sympathetically restore cases if desired. The corners of thes receivers tend to wear through to the silver aluminium. This is not due to abuse and is easily restored.

5. HF-250E - I have one HF-250E version for sale. Not mint and again, I would supply pictures and sypathetic restoration if desired.

6. HF-150 SET - This si the ultimate for the HF-150 collector. A complete Rack set comprising HF-150, PR-150, SP-150 Reack + Extension. All in lovely condition.

7. HF-150 Mobile Mount - I have one of these, new in teh box. For vehicles and boats etc.

8. IF-150 RS232 interface - I have several original RS232 interfaces.

9. Lowe Receiver Spares - I have boxes of spares for the HF-150 and some for the HF-225. Brand new HF-150 Black Aluminiym Tune knobs...they look great on the HF-125, HF-225 and of course the HF-150. Replace that worn knob !

Members are welcome to contact me with expressions of interest, via personal message via this forum. Please be realistic though, I will not be giving these away as I can raise decent prices on ebay but then I pay 10 percent to them and i woudl rather sell to the Lowe community direct. This is a once only offer as when they are gone, they are gone. I will have no back-up stock.

I will not be listing prices as that is a matter to be discussed between me and a potential buyer of one of my receivers.

Regards to all

Fraser

Group Owner

752. Re: Using Rechargeable Batteries with HF-150

Yahoo group: Lowe_Receivers
Date: 2013-02-11 13:39:17 UTC
From: valleyjinker
Topic: 741 Message: 752

Hello Bob,

Something is wrong there.

When switched off with external power the '150's batteries are electrically re-arranged into two 4-cell series connected batteries, the two sets of 4 cells themselves connected in parallel. Looking at at the circuit, charge current is given by

Voltage in, minus 0.7 volts for a series diode, minus the terminal voltage of the 4 cells (say 1.4 x 4 = 5.6)

divided by two 120 ohm resistors in parallel ie 60 ohms.

I make that abt 95 mA, but that current is divided between two series batteries, so cell charge current would be abt 48 mA. Permanently.

With the typical 12 Volt supply the only way to get charge current down to ~1 mA would be if the cells were brought up to something like 2.85 volts per cell. In other words, wrecked....

--- In Lowe_Receivers@yahoogroups.com, Bob Warriner wrote:
>
> Hi John.
> I respect your point of view, but suspect that NiMH batteries being a modern design are also more intelligent.
> I carried out some tests last night....I wanted to know what the charging current was with the batteries in my own HF-150.
> These have been in the radio for the last six weeks or so and could be considered to be fully charged.....the result was 1.23 mA with radio switched off of course.
> I have no hesitation in using good quality NiMH batteries and always have.
> I have never used NiCads, but I suspect that it would be easier to overcharge those with the possibility of damage.
>
> Rgds Bob.

753. Re: [Lowe_Receivers] Re: Using Rechargeable Batteries with HF-150

Yahoo group: Lowe_Receivers
Date: 2013-02-11 14:24:46 UTC
From: Bob Warriner
Topic: 741 Message: 753

Hi, yes, I agree, I had a decimal point in the wrong place, the reading should have been 123mA in total.
That will teach me to proof read before posting :-(

Rgds Bob.

----- Original Message -----
From: valleyjinker
To: Lowe_Receivers@yahoogroups.com
Sent: Monday, February 11, 2013 1:39 PM
Subject: [Lowe_Receivers] Re: Using Rechargeable Batteries with HF-150

Hello Bob,

Something is wrong there.

When switched off with external power the '150's batteries are electrically re-arranged into two 4-cell series connected batteries, the two sets of 4 cells themselves connected in parallel. Looking at at the circuit, charge current is given by

Voltage in, minus 0.7 volts for a series diode, minus the terminal voltage of the 4 cells (say 1.4 x 4 = 5.6)

divided by two 120 ohm resistors in parallel ie 60 ohms.

I make that abt 95 mA, but that current is divided between two series batteries, so cell charge current would be abt 48 mA. Permanently.

With the typical 12 Volt supply the only way to get charge current down to ~1 mA would be if the cells were brought up to something like 2.85 volts per cell. In other words, wrecked....

--- In Lowe_Receivers@yahoogroups.com, Bob Warriner wrote:
>
> Hi John.
> I respect your point of view, but suspect that NiMH batteries being a modern design are also more intelligent.
> I carried out some tests last night....I wanted to know what the charging current was with the batteries in my own HF-150.
> These have been in the radio for the last six weeks or so and could be considered to be fully charged.....the result was 1.23 mA with radio switched off of course.
> I have no hesitation in using good quality NiMH batteries and always have.
> I have never used NiCads, but I suspect that it would be easier to overcharge those with the possibility of damage.
>
> Rgds Bob.

754. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2013-02-21 04:45:33 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 754

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /SRX-30D/MSM5525.pdf
Uploaded by : oldengineer11 <snappa09@...>
Description : MSM5525 Display Driver Datasheet

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/SRX-30D/MSM5525.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

oldengineer11 <snappa09@...>

755. Tone Control on HF-250

Yahoo group: Lowe_Receivers
Date: 2013-02-23 03:15:42 UTC
From: auxch@bellsouth.net
Topic: 755 Message: 755

Recently, I tried to replace the volume and tone control knobs on my HF-250. The knobs supplied with my receiver were not the originals. The volume control knob slipped right off but the tone control knob would not budge. It may have been glued to the shaft. After several trial failures to remove it, I damaged the tone control. I would like to replace it but I have no real idea as how to get to it. It looks like a complicated process. and I need the proper instruction for disassembly. Anyone out there know how this thing comes apart. I still can't remove the front panel as that stubborn knob remains on the its shaft. Any help with this would surely be appreciated.

Thank you.
S. Kane
W4SHU

756. RE: [Lowe_Receivers] Tone Control on HF-250

Yahoo group: Lowe_Receivers
Date: 2013-02-23 09:41:14 UTC
From: Fraser Castle
Topic: 755 Message: 756

Fear not,

It isn't that complicated when you know how J I have done it several times.

I can't detail the process now but will do so later if no one else has answered in the mean time.

I may have a spare HF-250 Tone knob as well. They often had a layer of double sided tape on the spindle to ensure the security of the knob.

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of auxch@...
Sent: 23 February 2013 03:16
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Tone Control on HF-250

Recently, I tried to replace the volume and tone control knobs on my HF-250. The knobs supplied with my receiver were not the originals. The volume control knob slipped right off but the tone control knob would not budge. It may have been glued to the shaft. After several trial failures to remove it, I damaged the tone control. I would like to replace it but I have no real idea as how to get to it. It looks like a complicated process. and I need the proper instruction for disassembly. Anyone out there know how this thing comes apart. I still can't remove the front panel as that stubborn knob remains on the its shaft. Any help with this would surely be appreciated.

Thank you.
S. Kane
W4SHU

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2899 / Virus Database: 2639/6123 - Release Date: 02/22/13

757. HF-250 Repair

Yahoo group: Lowe_Receivers
Date: 2013-02-23 13:21:38 UTC
From: Dale Parfitt
Topic: 757 Message: 757

Lowe Receivers
Hi Fraser,

Are you interested in repairing an HF-250 for a friend of mine? It has been so long I don't recall the problem- maybe no BFO?

Anyway, let me know if you are interested and I'll ship it over.

Dale W4OP

758. Re: HF-250 Repair

Yahoo group: Lowe_Receivers
Date: 2013-02-23 16:12:40 UTC
From: Fraser
Topic: 757 Message: 758

Dale,

Sadly will my current ill health I am not able to take on any more repair work. I have yet to return an HF-150 to its owner that I took on an awful long time ago. Maybe when I am recovered.

Kindest Regards

Fraser

--- In Lowe_Receivers@yahoogroups.com, "Dale Parfitt" <parinc1@...> wrote:
>
> Lowe Receivers
> Hi Fraser,
>
> Are you interested in repairing an HF-250 for a friend of mine? It has been so long I don't recall the problem- maybe no BFO?
>
> Anyway, let me know if you are interested and I'll ship it over.
>
> Dale W4OP
>

759. Re: Tone Control on HF-250

Yahoo group: Lowe_Receivers
Date: 2013-02-24 10:50:30 UTC
From: Fraser
Topic: 755 Message: 759

OK,

I will offer you guidance on the dissassembly of the HF-250 but you will likely have to get that tone knob off to complete the task.

For this who do not know, the removal of knobs without damage may be accomplished using either soft (but strong) ribbon or in some cases nylon cord. The ribbon or cord is looped behind the knob and you just pull hard. The knob would usually come off its shaft. If it has been epoxied onto the shaft and cannot be removed you will be left with drilling the knob off with a series of drills. Start with a 2mm at the centre of the knob and work up to a 5mm in small steps. At some point the shaft of the pot will shear off and the knob with it.

To disassemble the case proceed as follows:

1. Remove all front panel knobs
2. Remove the front and rear large hex socket panel retaining screws to Release the panels from the side pieces.
3. Remove the base plate.
4. Very carefull prise the front and rear panels awauy from the top plate using a sharpened wood lollipop stick or similar non scratching / denting prise tool. The top plate is a tight tongue and groove fit into grooves in the front and reat panels. The tongue often gets stuck in teh groove due to the paint acting as a light glue as a result of compression over the years. Jiggling of the front and rear panels usually works !
5 Once the top plate is removed you will have access to the main board, but not the front control board as that sits behind an aluminium plate that also secures teh control board to the chassis.
Remove the front panel.
6. You should now see the control board front but you will probably need access to its rear as well. To gain access to the control board rear you must remove the aluminium chassis plate that sits behind it. This is straight forward BUT you should carefully mark the position of the amuminium plate so that you can refit it exaclty as originaly positioned. This is VERY important as the aluminium plate sets the geometry of the control PCB so that it fits the aluminium front panel without the buttons binding. In one of my HF-250's the aluminium plate actually bends the top of the control PCB backwards a little so that the push buttons do not bind !
7. The HF-250 case and chassis is a beautiful piece of CNC work but it is also a bit of a jigsaw puzzle to asssemble. When you assemble it, do so with loose screws first so that you can jiggle parts to mate correctly and only then tighten the srews to hold everything rigid. FORCE NOTHING !
8. While you are inside your HF-250, fit a new Lithium clock/memory battery as yours will be at the end of its life. The battery is a vertcical PCB mount Lithium button cell type: CR or BR 2430 (either are fine to use). No formware or receiver system settings will be lost as the battery does not support calibration data VRAM.

This is all from memory so if you hit a problem let me know and I will try to help.

I will upload pictures of the HF-250 case and internals if they are not already in the Groups photos area. I believe I did upload some when this group page was built.

I may have original knobs for the HF-250 that I am willing to sell as I doubt they will be needed by me now. I also have the latest Version 1.4 firmware on a 'new old stock' microprocessor if you are using the older V1.2 version.

Fraser

--- In Lowe_Receivers@yahoogroups.com, "auxch@..." <auxch@...> wrote:
>
> Recently, I tried to replace the volume and tone control knobs on my HF-250. The knobs supplied with my receiver were not the originals. The volume control knob slipped right off but the tone control knob would not budge. It may have been glued to the shaft. After several trial failures to remove it, I damaged the tone control. I would like to replace it but I have no real idea as how to get to it. It looks like a complicated process. and I need the proper instruction for disassembly. Anyone out there know how this thing comes apart. I still can't remove the front panel as that stubborn knob remains on the its shaft. Any help with this would surely be appreciated.
>
> Thank you.
> S. Kane
> W4SHU
>

761. Re: [Lowe_Receivers] HF225 front panel overlays

Yahoo group: Lowe_Receivers
Date: 2013-02-24 14:03:08 UTC
From: crabtreejr@...
Topic: 760 Message: 761

Hello Ian

Front case overlays are one of the few things that only Lowe could provide, unless you wnat to roll your own.

I think that a little patience could be beneficial. Lowe was all but out of the short wave receiver business by 1998. They have moved their operations since. If they do have the overlays, probably only one person knows where they might be, and I am sure he / she has other priorities.

73 John KC0G

In a message dated 2/24/2013 5:28:36 AM Central Standard Time, ian.ls@... writes:
> The front panel of my HF225 is becoming de-laminated. Does anyone know of
> a supply of replacements? I know it's pretty unlikely after 20-odd years,
> but you never know.
>
> This website http://www.mds975.co.uk/Content/lowe1.html (known to many on
> this list I'm sure) has lots of info, and when I called the number asking
> if they had font panels I was told that they "might have some somewhere but
> it's not a priority now" or words to that effect.
>
> Pity, they might make a few bob if they could find them...
>
> Ian
>
>

762. Re: HF225 front panel overlays

Yahoo group: Lowe_Receivers
Date: 2013-02-24 15:55:36 UTC
From: Fraser
Topic: 760 Message: 762

Ian,

I have stock of original Lowe new 'old stock' front panel labels.

PM me and I will sort you out with one at a reasonable cost.

Kind Regards

Fraser

--- In Lowe_Receivers@yahoogroups.com, Ian Liston-Smith <ian.ls@...> wrote:
>
> The front panel of my HF225 is becoming de-laminated. Does anyone know of a supply of replacements? I know it's pretty unlikely after 20-odd years, but you never know.
>
> This website http://www.mds975.co.uk/Content/lowe1.html (known to many on this list I'm sure) has lots of info, and when I called the number asking if they had font panels I was told that they "might have some somewhere but it's not a priority now" or words to that effect.
>
> Pity, they might make a few bob if they could find them...
>
> Ian
>

763. Re: [Lowe_Receivers] Re: HF225 front panel overlays

Yahoo group: Lowe_Receivers
Date: 2013-02-24 20:41:39 UTC
From: Mike L
Topic: 760 Message: 763

On 24/02/2013 15:55, Fraser wrote:
> Ian,
>
> I have stock of original Lowe new 'old stock' front panel labels.
>
> PM me and I will sort you out with one at a reasonable cost.
>
> Kind Regards
>
> Fraser
>
> --- In Lowe_Receivers@yahoogroups.com, Ian Liston-Smith <ian.ls@...> wrote:
>>
>> The front panel of my HF225 is becoming de-laminated. Does anyone know of a supply of replacements? I know it's pretty unlikely after 20-odd years, but you never know.
>>
>> This website http://www.mds975.co.uk/Content/lowe1.html (known to many on this list I'm sure) has lots of info, and when I called the number asking if they had font panels I was told that they "might have some somewhere but it's not a priority now" or words to that effect.
>>
>> Pity, they might make a few bob if they could find them...
>>
>> Ian
>>
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> Yahoo! Groups Links
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764. Re: [Lowe_Receivers] Re: HF225 front panel overlays

Yahoo group: Lowe_Receivers
Date: 2013-02-24 20:49:25 UTC
From: Mike L
Topic: 760 Message: 764

On 24/02/2013 15:55, Fraser wrote:
> Ian,
>
> I have stock of original Lowe new 'old stock' front panel labels.
>
> PM me and I will sort you out with one at a reasonable cost.
>
> Kind Regards
>
> Fraser

Hi Fraser
Oops, finger trouble on that last one :-((

I'll go for a 225 front panel label as well if you have enough, mine is
also starting to 'delaminate' in two corners.
Just mail me the costs again, though I'll be away for most of next week,
and I'll credit your Paypal a/c as soon as I get back home.

Cheers
Mike L

765. Re: HF225 front panel overlays

Yahoo group: Lowe_Receivers
Date: 2013-02-24 21:25:39 UTC
From: Fraser
Topic: 760 Message: 765

Hi Mike,

I regret all have been sold. I only had three and they sold very quickly !

Fraser

--- In Lowe_Receivers@yahoogroups.com, Mike L <charlie010203@...> wrote:
>
> On 24/02/2013 15:55, Fraser wrote:
> > Ian,
> >
> > I have stock of original Lowe new 'old stock' front panel labels.
> >
> > PM me and I will sort you out with one at a reasonable cost.
> >
> > Kind Regards
> >
> > Fraser
>
> Hi Fraser
> Oops, finger trouble on that last one :-((
>
> I'll go for a 225 front panel label as well if you have enough, mine is
> also starting to 'delaminate' in two corners.
> Just mail me the costs again, though I'll be away for most of next week,
> and I'll credit your Paypal a/c as soon as I get back home.
>
> Cheers
> Mike L
>

766. Lowe HF-250E (NIB)

Yahoo group: Lowe_Receivers
Date: 2013-02-24 22:00:01 UTC
From: Dan
Topic: 766 Message: 766

In the next day or so I will be putting up a
Lowe HF-250E (that's right, the coveted E
version), on EBAY. This radio is essentially
NEW IN BOX. Obtained last year from a European
seller, it comes complete with the original PC
cables, control software on floppy disk, the
manual, the remote, and the original Lowe PS.

I love this little radio -- it's one of the best
made SW receivers of its time, but need to move it
out. I'm offering it here in the group first because
I would rather it go to someone who appreciates the
quality that Lowe put into these receivers.

As you know, 250s are pretty rare, and getting one
in this condition (I would say without hesitation this
is in 10 condition) is rarer.

The one change I made shortly after obtaining the radio,
was to have the Lowe power supply changed to U.S. voltage
which was done by a gentleman in California.

I have photos and a couple of videos I can send to anyone
interested here -- I'm asking $899 for it.

As I say, I plan to put it up on EBay in the next couple
of days so if you have any interest in this let me know
soon.

767. HF-150 exterior housing components . . . New Old Stock?

Yahoo group: Lowe_Receivers
Date: 2013-02-27 21:10:27 UTC
From: tterry88
Topic: 767 Message: 767

Hi all,

Fraser do you, or anyone, have a new-old-stock (or undamaged) brown front plate to an HF-150. I speak of the main cosmetic plate that the two knobs come through plus the three sellection buttons. It is secured by four hex bolts to the extruded body.
I ask because I would like to replace mine. It has a few dings and dents on it.
Also any new-old-stock extruded bodies?

Thanks so much. Terry

768. Re: HF-150 exterior housing components . . . New Old Stock?

Yahoo group: Lowe_Receivers
Date: 2013-02-27 23:18:25 UTC
From: Fraser
Topic: 767 Message: 768

Hi Terry,

Sorry I only have the black front panels in stock. No bronze shells available at this time.

Kindest Regards

Fraser

--- In Lowe_Receivers@yahoogroups.com, "tterry88" <tthiewes@...> wrote:
>
> Hi all,
>
> Fraser do you, or anyone, have a new-old-stock (or undamaged) brown front plate to an HF-150. I speak of the main cosmetic plate that the two knobs come through plus the three sellection buttons. It is secured by four hex bolts to the extruded body.
> I ask because I would like to replace mine. It has a few dings and dents on it.
> Also any new-old-stock extruded bodies?
>
> Thanks so much. Terry
>

769. HF-250 For Sale

Yahoo group: Lowe_Receivers
Date: 2013-02-28 01:38:04 UTC
From: auxch@bellsouth.net
Topic: 769 Message: 769

I have decided to sell my HF-250 with ams sector +FM. It will come with original power supply and all documentation. This receiver is fully functional. The only exception is the tone control which will not vary the tone. It now seems to favors the highs. The cosmetic condition is good with just a non-noticeable few light scratches. The price is $500 +postage.
W4SHU

771. HF-250 For Sale

Yahoo group: Lowe_Receivers
Date: 2013-03-19 22:00:50 UTC
From: auxch@bellsouth.net
Topic: 769 Message: 771

HF-250 for sale:
Good cosmetic condition, has FM, AMS module and whip amp. New tone control, volume and tone knobs and new clock battery installed. Fully tested and all functions work as they should. Contact me for a price + shipping.

772. HF-150/PR-150/SP-150/with rack, something you don't see for sale everyday. :)

Yahoo group: Lowe_Receivers
Date: 2013-03-28 03:33:25 UTC
From: tterry88
Topic: 772 Message: 772

Ran across this on eBay and thought you guys would get a kick-out-of-it . . . (it is not mine)

http://www.ebay.com/itm/Lowe-HF-150-Shortwave-Receiver-Radio-PR-150-Pre-Selector-SP-150-Manuals-/300880097695?pt=US_Ham_Radio_Receivers&hash=item460dd9f19f

773. RE: [Lowe_Receivers] HF-150/PR-150/SP-150/with rack, something you don't see for sale everyday. :)

Yahoo group: Lowe_Receivers
Date: 2013-03-28 09:29:55 UTC
From: Fraser Castle
Topic: 772 Message: 773

The set is rare enough that some people will pay this sort of money in order to own it. The HF-150's are raising significant sums of money these days and the PR-150, SP-150 have the rarity factor boosting their value. Whilst I am not surprised to see such a price my unit would go to a new home for around GBP550-GBP650 which is nearer the present value IMHO. Rarity can have a significant effect on values. I saw an HF-250 sell for US$1000 the other day. That is virtually its new price when sold by Lowe.

My collection sell off has been an interesting experience. Many of my Lowe receivers have gone to new homes where I hope they will be cherished. I have managed to recover my investment to date so that softens the blow of parting with them. I may keep one or two HF-150's though as they are still my favourite J If anyone does want the complete HF-150 rack set, please get in touch. I will be selling mine complete with all manuals etc. etc. Plus spare parts.

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of tterry88
Sent: 28 March 2013 03:33
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-150/PR-150/SP-150/with rack, something you don't see for sale everyday. :)

Ran across this on eBay and thought you guys would get a kick-out-of-it . . . (it is not mine)

http://www.ebay.com/itm/Lowe-HF-150-Shortwave-Receiver-Radio-PR-150-Pre-Selector-SP-150-Manuals-/300880097695?pt=US_Ham_Radio_Receivers
<http://www.ebay.com/itm/Lowe-HF-150-Shortwave-Receiver-Radio-PR-150-Pre-Selector-SP-150-Manuals-/300880097695?pt=US_Ham_Radio_Receivers&hash=item460dd9f19f> &hash=item460dd9f19f

---

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2904 / Virus Database: 2641/6207 - Release Date: 03/27/13

774. Re: [Lowe_Receivers] HF-150/PR-150/SP-150/with rack, something you don't see for sale everyday. :)

Yahoo group: Lowe_Receivers
Date: 2013-03-28 09:46:45 UTC
From: Bob Warriner
Topic: 772 Message: 774

Hi Fraser.
I agree about the HF-150, as you know, I used to have one a few years ago, also a 225.
I sold them when I had the opportunity to get hold of an Icom R75 at a resonable price, regretted it soon afterwards, although the Icom is a fine receiver.
I recently bought another HF-150 from a mutual friend of ours, fitted a backlight and added an "S" meter...the Lowe HF-150 outperforms the IC-R75 especially in the audio section.
I use the Fineware software to control it, a good combination.

I don't plan to mess around anymore with experiments, I will keep the HF-150, I'm not surprised they a fetching very good prices these days, an excellent design.
Hope you are feeling better.
Rgds Bob.
----- Original Message -----
From: Fraser Castle
To: Lowe_Receivers@yahoogroups.com
Sent: Thursday, March 28, 2013 9:29 AM
Subject: RE: [Lowe_Receivers] HF-150/PR-150/SP-150/with rack, something you don't see for sale everyday. :)

The set is rare enough that some people will pay this sort of money in order to own it. The HF-150's are raising significant sums of money these days and the PR-150, SP-150 have the rarity factor boosting their value. Whilst I am not surprised to see such a price my unit would go to a new home for around GBP550-GBP650 which is nearer the present value IMHO. Rarity can have a significant effect on values. I saw an HF-250 sell for US$1000 the other day. That is virtually its new price when sold by Lowe.

My collection sell off has been an interesting experience. Many of my Lowe receivers have gone to new homes where I hope they will be cherished. I have managed to recover my investment to date so that softens the blow of parting with them. I may keep one or two HF-150's though as they are still my favourite J If anyone does want the complete HF-150 rack set, please get in touch. I will be selling mine complete with all manuals etc. etc. Plus spare parts.

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of tterry88
Sent: 28 March 2013 03:33
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-150/PR-150/SP-150/with rack, something you don't see for sale everyday. :)

Ran across this on eBay and thought you guys would get a kick-out-of-it . . . (it is not mine)

http://www.ebay.com/itm/Lowe-HF-150-Shortwave-Receiver-Radio-PR-150-Pre-Selector-SP-150-Manuals-/300880097695?pt=US_Ham_Radio_Receivers&hash=item460dd9f19f

---

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.2904 / Virus Database: 2641/6207 - Release Date: 03/27/13

775. Question regarding HF225 Europa I.F. Filters

Yahoo group: Lowe_Receivers
Date: 2013-04-20 02:08:50 UTC
From: jon.mulcare
Topic: 775 Message: 775

Hello folks,

I recently acquired an HF225 Europa, which I am finding overall to be quite a nice receiver. Though I have no experience with the non-Europa model, some aspects of the '225's evolution to the Europa version were evident: e.g. the high-sitting choke that was provided glue support to the 2.2 kHz filter; and the interesting bottom mounting of the 3.5 kHz filter.

On one point, I'd be interested in a bit more clarity. In the files section of this group, there's a '225 Europa one-pager (Lowe HF-225 Europa Brochure.pdf) that indicates that the 3.5 kHz filter is in the X3 position. In looking at the board, however, there is a plastic encased Murata filter at X3, which looks like a nominally 6 kHz filter, since its designation ends -445HT. I'm not someone who can read what's going on by simply looking at a board, and I've found no '225 Europa specific technical manual online. So I'm just wondering how the 3.5 kHz is tied in, if at all, with the X3 position. I do see that the bottom-mounted 3.5 kHz filter is connected into the board from above in an area adjacent to the X3 position.

I see that the brochure document indicates that the X3 filter is engaged with the 4.5 and 7.0, with filters in use for 4.5 being X3+X4+X5 and for 7.0 being X3+X5. So if the X3 filter is being engaged in a cascading filter arrangement for the 4.5 and 7.0 bandwidth settings, then I take it that we're talking about the plastic encased, nominally 6 kHz Murata filter. So this bit prompts again the same question regarding the brochure document's statement that the 3.5 kHz filter is in the X3 position.

Is the 3.5 kHz filter in its own separate position, or is there some interesting dual-functionality of the X3 position?

This knowledge isn't really critical to my enjoyment of the receiver, but I would be interested to understand this better. So thanks to anyone who can provide insight on this!

Best regards,

Jon

777. Recent SPAM message with the title 'hey'

Yahoo group: Lowe_Receivers
Date: 2013-04-22 20:47:32 UTC
From: Fraser
Topic: 777 Message: 777

Dear all,

A member of this group has had his Yahoo account hijacked. Sadly that member is now on moderation until the problem is solved. There will hopefully be no more SPAM messages displayed. Please do not open any such unusual messages as they can be a tad nasty in content or nature.

Fraser
Group Owner

778. Rotary Encoder

Yahoo group: Lowe_Receivers
Date: 2013-06-01 12:40:05 UTC
From: allan.grant2416@btinternet.com
Topic: 778 Message: 778

Hi, thought it might be useful to the group to advise on a suitable encoder for the 225, mine had been fitted with a bourns encoder but the ppr was only 25 and so moving up and down was a lengthy business. I was toying with the idea of upgrading it but the cost of these encoders was prohibitive. Due to a problem with the power socket on my 225 I lost the tuning, (it looks like the bourns encoders do not like any kind of power spike) and mine was trashed in one direction. I looked at ebay and came across an encoder from a Kenwood R2000 and after checking the circuit diagram of the R2000 found it would be suitable with a ppr of 50, I decided to give it a try, well it is a good result and works exactly as expected and with 3/4 of a revolution of the tuning knob gives 1khz but still allows easy fine tuning. There may be one drawback for some users who have upgraded to a bourns and that is the shaft size which on mine was 6.35mm whereas the R2000 donor part was 6mm. Anyway with a bit of ingenuity it fits perfectly and at a cost of half of the bourns and less susceptibility to power spikes was a great result.

779. Re: Rotary Encoder

Yahoo group: Lowe_Receivers
Date: 2013-06-05 20:51:46 UTC
From: g1drp
Topic: 778 Message: 779

Hi Allan,

Very interesting. I have fitted a 25ppr encoder in to an HF150 and it's OK because you can spin the tuning knob. I'm looking for a new encoder for my HF125 and the Kenwood item may well fit the bill.

Cheers,

Ian

--- In Lowe_Receivers@yahoogroups.com, "allan.grant2416@..." <allan.grant2416@...> wrote:
>
> Hi, thought it might be useful to the group to advise on a suitable encoder for the 225, mine had been fitted with a bourns encoder but the ppr was only 25 and so moving up and down was a lengthy business. I was toying with the idea of upgrading it but the cost of these encoders was prohibitive. Due to a problem with the power socket on my 225 I lost the tuning, (it looks like the bourns encoders do not like any kind of power spike) and mine was trashed in one direction. I looked at ebay and came across an encoder from a Kenwood R2000 and after checking the circuit diagram of the R2000 found it would be suitable with a ppr of 50, I decided to give it a try, well it is a good result and works exactly as expected and with 3/4 of a revolution of the tuning knob gives 1khz but still allows easy fine tuning. There may be one drawback for some users who have upgraded to a bourns and that is the shaft size which on mine was 6.35mm whereas the R2000 donor part was 6mm. Anyway with a bit of ingenuity it fits perfectly and at a cost of half of the bourns and less susceptibility to power spikes was a great result.
>

780. RE: [Lowe_Receivers] Re: Rotary Encoder

Yahoo group: Lowe_Receivers
Date: 2013-06-06 17:39:12 UTC
From: Fraser Castle
Topic: 778 Message: 780

For info.

I hold stock of the following:

ALPS 50 ppr mechanical encoders (Lowe original fitment)

ALPS 100 ppr mechanical encoders

Bourns 28 ppr optical encoders (Lowe HF-150 Europa)

Bourns 64 ppr optical encoders

Price on application but significantly less than trade.

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of g1drp
Sent: 05 June 2013 21:52
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Re: Rotary Encoder

Hi Allan,

Very interesting. I have fitted a 25ppr encoder in to an HF150 and it's OK because you can spin the tuning knob. I'm looking for a new encoder for my HF125 and the Kenwood item may well fit the bill.

Cheers,

Ian

--- In Lowe_Receivers@yahoogroups.com
<mailto:Lowe_Receivers%40yahoogroups.com> , "allan.grant2416@..."
<allan.grant2416@...> wrote:
>
> Hi, thought it might be useful to the group to advise on a suitable encoder for the 225, mine had been fitted with a bourns encoder but the ppr was only 25 and so moving up and down was a lengthy business. I was toying with the idea of upgrading it but the cost of these encoders was prohibitive. Due to a problem with the power socket on my 225 I lost the tuning, (it looks like the bourns encoders do not like any kind of power spike) and mine was trashed in one direction. I looked at ebay and came across an encoder from a Kenwood R2000 and after checking the circuit diagram of the R2000 found it would be suitable with a ppr of 50, I decided to give it a try, well it is a good result and works exactly as expected and with 3/4 of a revolution of the tuning knob gives 1khz but still allows easy fine tuning. There may be one drawback for some users who have upgraded to a

bourns and that is the shaft size which on mine was 6.35mm whereas the R2000 donor part was 6mm. Anyway with a bit of ingenuity it fits perfectly and at a cost of half of the bourns and less susceptibility to power spikes was a great result.
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.3343 / Virus Database: 3184/6389 - Release Date: 06/06/13

782. SRX100 VCO not oscillating above 15MHz

Yahoo group: Lowe_Receivers
Date: 2013-06-15 15:38:36 UTC
From: kunjani69
Topic: 782 Message: 782

Sorry, I called it an HF3, so I've deleted and reposted.....

I have an SRX100 that works fine up to 15MHz, and as soon as the range diode switches, the VCO stops oscillating. I have replaced the switching diode, no difference.

I'm tempted to replace the FET next, but would like to ask opinions first.

If anyone has any test voltages for the VCO I would be most grateful.

73

Steve

783. HF-250 remote control unit

Yahoo group: Lowe_Receivers
Date: 2013-07-09 00:54:28 UTC
From: auxch@bellsouth.net
Topic: 783 Message: 783

How would I know whether or not my HF-250 has an infra red sensor installed so I could run the radio via an RC-250 remote keypad?

784. Re: HF-250 remote control unit

Yahoo group: Lowe_Receivers
Date: 2013-07-09 10:18:15 UTC
From: Fraser
Topic: 783 Message: 784

--- In Lowe_Receivers@yahoogroups.com, "auxch@..." <auxch@...> wrote:
>
> How would I know whether or not my HF-250 has an infra red sensor installed so I could run the radio via an RC-250 remote keypad?
>

The IR sensor is a standard commercial item and sits behind the S-Meter.
Take a look in the Groups pictures area for my images of the HF-250 internal parts, it may be visible on those.

The IR remote signal passes through the plastic of the S-Meter back panel and is detected by the IR receiver module. This module is normally fitted at the factory thought I have heard of some receivers without it.

If your receiver has not got it fitted you just need a common 38kHz IR receiver module that takes a 5V supply an outputs the data stream.

The easiest way to determine whether your receiver has the IR receiver fitted is to test an RC250 with it :-) Otherwise you will need to remove the top cover and that involves removal of the front panel and loosening of the rear panel.

Now some good news. I have both the common commercial 38kHz IR receiver modules and a brand new Lowe HF-250 RC250 remote control. If you want them the cost will be GBP30 + postage from the UK to your location.

PM me if interested

Fraser

785. Re: [Lowe_Receivers] Re: HF-250 remote control unit

Yahoo group: Lowe_Receivers
Date: 2013-07-09 17:07:08 UTC
From: Sheldon Kane
Topic: 783 Message: 785

Thank you for the information. I would need to know how and where the 38Khz. module mounts.
In the manual it says to turn the radio on with the Mhz.up button pressed to detect and actuate the module and wait for the beeps. Mine radio does not respond to this. Instead, the radio starts and the Mhz.'s just continually move up.
Could a universal remote possibly work?

Sheldon

From: Fraser <fraser.castle@...>
Reply-To: <Lowe_Receivers@yahoogroups.com>
Date: Tuesday, July 9, 2013 3:18 AM
To: <Lowe_Receivers@yahoogroups.com>
Subject: [Lowe_Receivers] Re: HF-250 remote control unit

--- In Lowe_Receivers@yahoogroups.com
<mailto:Lowe_Receivers%40yahoogroups.com> , "auxch@..." <auxch@...> wrote:
>
> How would I know whether or not my HF-250 has an infra red sensor installed so I could run the radio via an RC-250 remote keypad?
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PM me if interested

Fraser

786. RE: [Lowe_Receivers] Re: HF-250 remote control unit

Yahoo group: Lowe_Receivers
Date: 2013-07-09 14:40:04 UTC
From: Fraser Castle
Topic: 783 Message: 786
Attachments: 2 described; binary payloads are missing from this source WARC

That's news to me.

I will look in my manual. All my HF250's have sold so I do not have one to check.

A modern universal remote sadly does not support the Nokia remote codes that the HF-250 uses as it was for a very early satellite receiver.

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of Sheldon Kane
Sent: 09 July 2013 18:07
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] Re: HF-250 remote control unit

Thank you for the information. I would need to know how and where the 38Khz. module mounts.

In the manual it says to turn the radio on with the Mhz.up button pressed to detect and actuate the module and wait for the beeps. Mine radio does not respond to this. Instead, the radio starts and the Mhz.'s just continually move up.

Could a universal remote possibly work?

Sheldon

From: Fraser <fraser.castle@...>
Reply-To: <Lowe_Receivers@yahoogroups.com>
Date: Tuesday, July 9, 2013 3:18 AM
To: <Lowe_Receivers@yahoogroups.com>
Subject: [Lowe_Receivers] Re: HF-250 remote control unit

--- In Lowe_Receivers@yahoogroups.com
<mailto:Lowe_Receivers%40yahoogroups.com> , "auxch@..." <auxch@...> wrote:
>
> How would I know whether or not my HF-250 has an infra red sensor installed so I could run the radio via an RC-250 remote keypad?
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the factory thought I have heard of some receivers without it.

If your receiver has not got it fitted you just need a common 38kHz IR receiver module that takes a 5V supply an outputs the data stream.

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Now some good news. I have both the common commercial 38kHz IR receiver modules and a brand new Lowe HF-250 RC250 remote control. If you want them the cost will be GBP30 + postage from the UK to your location.

PM me if interested

Fraser

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.3349 / Virus Database: 3204/6475 - Release Date: 07/08/13

787. Re: HF-250 remote control unit

Yahoo group: Lowe_Receivers
Date: 2013-07-09 14:53:38 UTC
From: Fraser
Topic: 783 Message: 787

I have added photos of the IR Receiver and its location in the following album:

http://groups.yahoo.com/group/Lowe_Receivers/photos/album/2060701423/pic/list

There were two types of IR receiver used in the HF-250 during its production. A large Sharp branded unit and a a more compact unit that followed.

Fraser

--- In Lowe_Receivers@yahoogroups.com, "Fraser Castle" <fraser.castle@...> wrote:
>
> That's news to me.
>
>
>
> I will look in my manual. All my HF250's have sold so I do not have one to
> check.
>
>
>
> A modern universal remote sadly does not support the Nokia remote codes that
> the HF-250 uses as it was for a very early satellite receiver.
>
>
>
> Fraser
>
>

788. Re: HF-250 remote control unit

Yahoo group: Lowe_Receivers
Date: 2013-07-09 15:02:49 UTC
From: Fraser
Topic: 783 Message: 788

I have just checked the user manual.

The 'Acknowledged' beep was never activated on my three HF-150's so I have no experience of setting it on or off.

I can advise that the HF-250 does not need any settings to activate the remote control function. It just needs the IR receiver to be present. The microprocessor is the same in all HF-250 models including the HF-250E. Some solder jumpers exist under the processor but from memory they have no effect on the IR control.

I have one remaining V1.04 Firmware HF-250 microprocessor if yours is the earlier 1.02 version.

Fraser

--- In Lowe_Receivers@yahoogroups.com, "Fraser " <fraser.castle@...> wrote:
>
> I have added photos of the IR Receiver and its location in the following album:
>
> http://groups.yahoo.com/group/Lowe_Receivers/photos/album/2060701423/pic/list
>
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> Fraser
>
> --- In Lowe_Receivers@yahoogroups.com, "Fraser Castle" <fraser.castle@> wrote:
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> > the HF-250 uses as it was for a very early satellite receiver.
> >
> >
> >
> > Fraser
> >
> >
>

789. Re: [Lowe_Receivers] Re: HF-250 remote control unit

Yahoo group: Lowe_Receivers
Date: 2013-07-09 18:05:46 UTC
From: Sheldon Kane
Topic: 783 Message: 789

Thank you for your efforts. They are truly appreciated.

S. Kane

From: Fraser <fraser.castle@...>
Reply-To: <Lowe_Receivers@yahoogroups.com>
Date: Tuesday, July 9, 2013 7:53 AM
To: <Lowe_Receivers@yahoogroups.com>
Subject: [Lowe_Receivers] Re: HF-250 remote control unit

I have added photos of the IR Receiver and its location in the following
album:

http://groups.yahoo.com/group/Lowe_Receivers/photos/album/2060701423/pic/lis
t

There were two types of IR receiver used in the HF-250 during its
production. A large Sharp branded unit and a a more compact unit that
followed.

Fraser

--- In Lowe_Receivers@yahoogroups.com
<mailto:Lowe_Receivers%40yahoogroups.com> , "Fraser Castle"
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> That's news to me.
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> I will look in my manual. All my HF250's have sold so I do not have one to
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> A modern universal remote sadly does not support the Nokia remote codes that
> the HF-250 uses as it was for a very early satellite receiver.
>
>
>
> Fraser
>
>

790. Re: HF-250 remote control unit

Yahoo group: Lowe_Receivers
Date: 2013-07-09 15:29:43 UTC
From: Fraser
Topic: 783 Message: 790

I just looked in my archives for details of the original RC-250 remote. It was designed for the Nokia SAT1602 satellite receiver so if you can find a remote compatible with that receiver, then you may be able to use it. I suspect that an original SAT1602 remote will cost you more than I am asking however and will not have the correct overlay for the HF-250.

Lowe actually used a CPC (Now owned by Farnell/Newark) compatible remote that had the product code RC1387, but it is long obsolete and was a dedicated model (not universal).

Fraser

--- In Lowe_Receivers@yahoogroups.com, Sheldon Kane <auxch@...> wrote:
>
> Thank you for your efforts. They are truly appreciated.
>
> S. Kane
>
> From: Fraser <fraser.castle@...>
> Reply-To: <Lowe_Receivers@yahoogroups.com>
> Date: Tuesday, July 9, 2013 7:53 AM
> To: <Lowe_Receivers@yahoogroups.com>
> Subject: [Lowe_Receivers] Re: HF-250 remote control unit
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> There were two types of IR receiver used in the HF-250 during its
> production. A large Sharp branded unit and a a more compact unit that
> followed.
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> Fraser
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> --- In Lowe_Receivers@yahoogroups.com
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> <fraser.castle@> wrote:
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> > A modern universal remote sadly does not support the Nokia remote codes that
> > the HF-250 uses as it was for a very early satellite receiver.
> >
> >
> >
> > Fraser
> >
> >
>

791. Re: [Lowe_Receivers] Re: HF-250 remote control unit

Yahoo group: Lowe_Receivers
Date: 2013-07-09 16:15:50 UTC
From: Luuk Timmerman
Topic: 783 Message: 791

Hi Guys,
 If some one want to buy a original Lowe RC-250 remote they are still for sale here in The netherlands and (I think) not expensive 17,50 Euro each brand new.
Luuk

From: Fraser <fraser.castle@...>
To: Lowe_Receivers@yahoogroups.com
Sent: Tuesday, July 9, 2013 5:29 PM
Subject: [Lowe_Receivers] Re: HF-250 remote control unit

I just looked in my archives for details of the original RC-250 remote. It was designed for the Nokia SAT1602 satellite receiver so if you can find a remote compatible with that receiver, then you may be able to use it. I suspect that an original SAT1602 remote will cost you more than I am asking however and will not have the correct overlay for the HF-250.

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> S. Kane
>
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> Reply-To: <mailto:Lowe_Receivers%40yahoogroups.com>
> Date: Tuesday, July 9, 2013 7:53 AM
> To: <mailto:Lowe_Receivers%40yahoogroups.com>
> Subject: [Lowe_Receivers] Re: HF-250 remote control unit
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> production. A large Sharp branded unit and a a more compact unit that
> followed.
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> Fraser
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> --- In mailto:Lowe_Receivers%40yahoogroups.com
> <mailto:Lowe_Receivers%40yahoogroups.com> , "Fraser Castle"
> <fraser.castle@> wrote:
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> > Fraser
> >
> >
>

792. Re: [Lowe_Receivers] Re: HF-250 remote control unit

Yahoo group: Lowe_Receivers
Date: 2013-07-09 22:44:41 UTC
From: Sheldon Kane
Topic: 783 Message: 792

I would love to buy one but it's not entirely clear that my HF-250 is capable of using it.

Thank you.
S. Kane

From: Luuk Timmerman <radiohobby101@yahoo.com>
Reply-To: <Lowe_Receivers@yahoogroups.com>
Date: Tuesday, July 9, 2013 9:15 AM
To: "Lowe_Receivers@yahoogroups.com" <Lowe_Receivers@yahoogroups.com>
Subject: Re: [Lowe_Receivers] Re: HF-250 remote control unit

Hi Guys,

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Luuk

From: Fraser <fraser.castle@...>
To: Lowe_Receivers@yahoogroups.com
Sent: Tuesday, July 9, 2013 5:29 PM
Subject: [Lowe_Receivers] Re: HF-250 remote control unit

I just looked in my archives for details of the original RC-250 remote. It was designed for the Nokia SAT1602 satellite receiver so if you can find a remote compatible with that receiver, then you may be able to use it. I suspect that an original SAT1602 remote will cost you more than I am asking however and will not have the correct overlay for the HF-250.

Lowe actually used a CPC (Now owned by Farnell/Newark) compatible remote that had the product code RC1387, but it is long obsolete and was a dedicated model (not universal).

Fraser

--- In mailto:Lowe_Receivers%40yahoogroups.com, Sheldon Kane <auxch@...>
wrote:
>
> Thank you for your efforts. They are truly appreciated.
>
> S. Kane
>
> From: Fraser <fraser.castle@...>
> Reply-To: <mailto:Lowe_Receivers%40yahoogroups.com>
> Date: Tuesday, July 9, 2013 7:53 AM
> To: <mailto:Lowe_Receivers%40yahoogroups.com>

> Subject: [Lowe_Receivers] Re: HF-250 remote control unit
>
>
>
>
>
>
> I have added photos of the IR Receiver and its location in the following
> album:
>
> http://groups.yahoo.com/group/Lowe_Receivers/photos/album/2060701423/pic/lis
> t
>
> There were two types of IR receiver used in the HF-250 during its
> production. A large Sharp branded unit and a a more compact unit that
> followed.
>
> Fraser
>
> --- In mailto:Lowe_Receivers%40yahoogroups.com
> <mailto:Lowe_Receivers%40yahoogroups.com> , "Fraser Castle"
> <fraser.castle@> wrote:
> >
> > That's news to me.
> >
> >
> >
> > I will look in my manual. All my HF250's have sold so I do not have one to
> > check.
> >
> >
> >
> > A modern universal remote sadly does not support the Nokia remote codes that
> > the HF-250 uses as it was for a very early satellite receiver.
> >
> >
> >
> > Fraser
> >
> >
>

793. HF-235 keyboard issue

Yahoo group: Lowe_Receivers
Date: 2013-07-09 20:38:29 UTC
From: John Flood
Topic: 783 Message: 793

Hi Kids!

A nice HF-235 followed me home. Working well except for the keypad. The top couple of rows of buttons don't work. Seems to be all part of the front panel adhesive assembly. I'm guessing I'm out of luck here but any fixes for this? Has anyone tried the HF-235 software control program on a HF-235?

John
KB1FQG

794. Re: [Lowe_Receivers] HF-235 keyboard issue

Yahoo group: Lowe_Receivers
Date: 2013-07-09 20:50:01 UTC
From: F CASTLE
Topic: 783 Message: 794

John,

The keypad is usually pretty reliable. It would be worth checking the matrix operation with a multimeter to establish whether the fault lies in the cable interconnect, pcb to interconnect pint or even the PCB or SL460B.

I do not have spares of the front panel but I do have the populated keypad PCB and SL460B chips.

I would look very carefully for a broken connection in the keypad path to the chip.

Fraser

From: John Flood <kb1fqg@...>
To: "Lowe_Receivers@yahoogroups.com" <Lowe_Receivers@yahoogroups.com>
Sent: Tuesday, 9 July 2013, 21:38
Subject: [Lowe_Receivers] HF-235 keyboard issue

Hi Kids!

A nice HF-235 followed me home. Working well except for the keypad. The top couple of rows of buttons don't work. Seems to be all part of the front panel adhesive assembly. I'm guessing I'm out of luck here but any fixes for this? Has anyone tried the HF-235 software control program on a HF-235?

John
KB1FQG

795. Re: [Lowe_Receivers] HF-235 keyboard issue

Yahoo group: Lowe_Receivers
Date: 2013-07-09 20:59:30 UTC
From: John Flood
Topic: 783 Message: 795

Thanks!

I'll look into this.

John

From: F CASTLE <fraser.castle@...>
To: "Lowe_Receivers@yahoogroups.com" <Lowe_Receivers@yahoogroups.com>
Sent: Tuesday, July 9, 2013 4:50 PM
Subject: Re: [Lowe_Receivers] HF-235 keyboard issue

John,

The keypad is usually pretty reliable. It would be worth checking the matrix operation with a multimeter to establish whether the fault lies in the cable interconnect, pcb to interconnect pint or even the PCB or SL460B.

I do not have spares of the front panel but I do have the populated keypad PCB and SL460B chips.

I would look very carefully for a broken connection in the keypad path to the chip.

Fraser

From: John Flood <kb1fqg@...>
To: "Lowe_Receivers@yahoogroups.com" <Lowe_Receivers@yahoogroups.com>
Sent: Tuesday, 9 July 2013, 21:38
Subject: [Lowe_Receivers] HF-235 keyboard issue

Hi Kids!

A nice HF-235 followed me home. Working well except for the keypad. The top couple of rows of buttons don't work. Seems to be all part of the front panel adhesive assembly. I'm guessing I'm out of luck here but any fixes for this? Has anyone tried the HF-235 software control program on a HF-235?

John
KB1FQG

796. New user

Yahoo group: Lowe_Receivers
Date: 2013-07-14 07:41:22 UTC
From: Paul Ormandy ZL4PW
Topic: 796 Message: 796

Hi all,

Have just bought an HF-150 which has a fault. SW is dead above 31mb... at full volume, all you can
hear is a low hiss.

Anyone know what the issue is and how to fix it before it goes to the radio doctor?

Cheers,

Paul

797. RE: [Lowe_Receivers] New user

Yahoo group: Lowe_Receivers
Date: 2013-07-14 10:43:43 UTC
From: Fraser Castle
Topic: 796 Message: 797

Normally failure of the VCO Pin diode switching.

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
On Behalf Of Paul Ormandy ZL4PW
Sent: 14 July 2013 08:41
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] New user

Hi all,

Have just bought an HF-150 which has a fault. SW is dead above 31mb... at
full volume, all you can
hear is a low hiss.

Anyone know what the issue is and how to fix it before it goes to the radio
doctor?

Cheers,

Paul

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.3349 / Virus Database: 3204/6490 - Release Date: 07/14/13

798. Re: [Lowe_Receivers] New user

Yahoo group: Lowe_Receivers
Date: 2013-07-15 05:22:16 UTC
From: Paul Ormandy ZL4PW
Topic: 796 Message: 798

Thanks very much Fraser... sounds logical.

Paul

On 14/07/2013 10:43 a.m., Fraser Castle wrote:

Normally failure of the VCO Pin diode switching.

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of Paul Ormandy ZL4PW
Sent: 14 July 2013 08:41
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] New user

Hi all,

Have just bought an HF-150 which has a fault. SW is dead above 31mb... at full volume, all you can
hear is a low hiss.

Anyone know what the issue is and how to fix it before it goes to the radio doctor?

Cheers,

Paul

No virus found in this message.
Checked by AVG - www.avg.com (http://www.avg.com)
Version: 2013.0.3349 / Virus Database: 3204/6490 - Release Date: 07/14/13

799. HF7070 receiver

Yahoo group: Lowe_Receivers
Date: 2013-07-22 13:46:22 UTC
From: crabtreejr@...
Topic: 799 Message: 799

John Thorpe designed most of the Lowe receivers. He then designed the AOR AR7030 which was in production from 1996 to 2007. He started to design a replacement for the AR7030, which became known as the HF7070. The development team was later expanded.

There is an article about the HF7070 by Colin Horrabin, G3SBI, in the July/August 2013 issue of QEX. You can find it online at:

http://www.arrl.org/files/file/QEX_Next_Issue/Jul-Aug_2013/QEX_7_13_Horrabin.pdf
It is very interesting. Sadly, it also says that the HF7070 is unlikely to go into production.

73 John KC0G

800. Lowe HF-150

Yahoo group: Lowe_Receivers
Date: 2013-09-03 17:48:31 UTC
From: tterry88
Topic: 800 Message: 800

Hi Guys,

I'm going to sell my 150. It has the KIWA audio mod. Need the funds for a Ten Tec. Will send pictures including a scan of the mod. document and answer questions. Asking $550.00

Thanks, tterry88

802. Lowe HF-150 > Whip amplifier question . . .

Yahoo group: Lowe_Receivers
Date: 2013-09-10 23:56:56 UTC
From: tterry88
Topic: 802 Message: 802

Forgive me, I recently offered my Lowe HF-150 for sale and am withdrawing that. I like it too much. It hears as well and as clearly as my nrd-545. I now have both hooked up to a passive antenna splitter.

Now my question ☐ the antenna is a 20 meter single line dipole from Miracle Antenna. I've noticed, to my excitement, that when I'm listening to a weak Ham conversation I can amplify it and actually hear it with the Whip Amp switch position. Can I damage the 150 doing this when hooked up to a 20 meter line?

Thanks, Terry KD0UTQ

803. HF-150 display calibration

Yahoo group: Lowe_Receivers
Date: 2013-09-11 19:50:52 UTC
From: <hans.ostnell@...>
Topic: 803 Message: 803

Hi group!

The display in my HF-150 shows a frequency which is approx. 1 khz down from "reality" (i.e in SSB/AMS mode it "zero beats" on 6049 instead of 6050 kHz).

Anyone in here knowing a recalibrating "cure"?

73!

Hans / LA2MOA
Vardo, Arctic Norway

804. Re: Lowe HF-150 > Whip amplifier question . . .

Yahoo group: Lowe_Receivers
Date: 2013-09-26 22:49:38 UTC
From: valleyjinker
Topic: 802 Message: 804

--- In Lowe_Receivers@yahoogroups.com, "tterry88" <tthiewes@...> wrote:
>
> Now my question ☐ the antenna is a 20 meter single line dipole from
> Miracle Antenna. I've noticed, to my excitement, that when I'm listening
> to a weak Ham conversation I can amplify it and actually hear it with
> the Whip Amp switch position. Can I damage the 150 doing this when
> hooked up to a 20 meter line?
>
>
> Thanks, Terry KD0UTQ
>

If there are very strong signals around there is more chance the radio will get overloaded and not receive well. But no, you will not damage it that way.

805. RE: Re: Lowe HF-150 > Whip amplifier question . . .

Yahoo group: Lowe_Receivers
Date: 2013-09-27 15:09:30 UTC
From: <tthiewes@...>
Topic: 802 Message: 805

Thanks Valley. I appreciated your comment. Yes, I have renewed enjoyment in the HF150.

---In Lowe_Receivers@yahoogroups.com, <lowe_receivers@yahoogroups.com> wrote:

--- In Lowe_Receivers@yahoogroups.com, "tterry88" <tthiewes@...> wrote:

>
> Now my question ☐ the antenna is a 20 meter single line dipole from
> Miracle Antenna. I've noticed, to my excitement, that when I'm listening
> to a weak Ham conversation I can amplify it and actually hear it with
> the Whip Amp switch position. Can I damage the 150 doing this when
> hooked up to a 20 meter line?
>
>
> Thanks, Terry KD0UTQ
>

If there are very strong signals around there is more chance the radio will get overloaded and not receive well. But no, you will not damage it that way.

806. HF-150 works on batteries but not mains . . .

Yahoo group: Lowe_Receivers
Date: 2013-09-28 13:25:43 UTC
From: <tthiewes@...>
Topic: 806 Message: 806

Here is a question for you all. While reconnecting the ground system of my radio desk I blew a household circuit and the QTH went dark. I believe I had the 150 disconnected from my regulated 13.8v supply at the time, but connected to the ground system.

I disconnected everything from the power supply and set the breaker switch back to 'on'. I then systematically turned on all my equipment testing as I did so. When I got to the 150 I discovered that it worked fine on its rechargeable batteries but it would not work on the regulated power anymore. This was true even after I pulled a battery tray but with the power jack plugged in. I tested the power jack, that connects the 150 to the 13.8v's, and it reads 13.8v. So i'm getting power.

Is there an inturnernal switch I tripped? Would any of you have an idea of what is wrong?

Thanks, Terry

807. Re: [Lowe_Receivers] HF-150 works on batteries but not mains . . .

Yahoo group: Lowe_Receivers
Date: 2013-09-29 02:26:52 UTC
From: crabtreejr@...
Topic: 806 Message: 807

Hello Terry

There is an internal polarity protection diode, D14, which is only in the circuit when external poer is supplied. It may have failed open circuit. Otherwise the power jack may have failed.

If you want to contact me off list, please do. I live nearby.

HTH and 73

John KC0G

In a message dated 9/28/2013 8:25:45 AM Central Daylight Time, tthiewes@... writes:
> Here is a question for you all. While reconnecting the ground system of
> my radio desk I blew a household circuit and the QTH went dark. I believe I
> had the 150 disconnected from my regulated 13.8v supply at the time, but
> connected to the ground system.
>
> I disconnected everything from the power supply and set the breaker switch
> back to 'on'. I then systematically turned on all my equipment testing as
> I did so. When I got to the 150 I discovered that it worked fine on its
> rechargeable batteries but it would not work on the regulated power anymore.
> This was true even after I pulled a battery tray but with the power jack
> plugged in. I tested the power jack, that connects the 150 to the 13.8v's, and
> it reads 13.8v. So i'm getting power.
>
> Is there an inturnernal switch I tripped? Would any of you have an idea of
> what is wrong?
>
> Thanks, Terry
>

808. Re: HF-150 display calibration

Yahoo group: Lowe_Receivers
Date: 2013-09-29 17:19:41 UTC
From: valleyjinker
Topic: 803 Message: 808

There are three adjustment points to set frequency calibration on the '150, not one. For that reason it's best left alone.

If you want to adjust the settings I'm sure that if you search back through the posts on this forum you will find the necessary info.

One point to remember is that at the factory the radios were calibrated to be as near exact as possible. With a digital display that means 0000 was achieved. If the internal frequency errors came to amount to 992 Hz in one direction the display would still read 0000 when correctly tuned to a station. But it could take as little as 8Hz error in the other direction for the display to read 9999.

My point is that apart from being slightly annoying that's the nature of the beast, and does it matter?

810. Source for HF225 front end diodes

Yahoo group: Lowe_Receivers
Date: 2013-10-13 01:59:19 UTC
From: Richard Steenis
Topic: 810 Message: 810

Hello,

I have a Lowe HF225 receiver that is not working. I believe the problem is that the
diodes in the front end are bad as a result of leaving the antenna connected. My
understanding is that the diodes that are bad are BA244A and BA482. I have looked for these diodes, but have not been able to locate any. Does anyone know where I might be able to obtain them?

Thank you for your help

Kind regards,
Richard

811. RE: Source for HF225 front end diodes

Yahoo group: Lowe_Receivers
Date: 2013-10-13 16:32:58 UTC
From: <julian@...>
Topic: 810 Message: 811

The switching diodes used in the antenna input are D1 - 11, all BA244A PIN switching diodes. I can look for equivalents later and maybe someone can advise the resistance readings you can expect to see in-circuit to save you having to pull them all out. There's no BA482 listed in the parts list

- Julian

---In Lowe_Receivers@yahoogroups.com, <lowe_receivers@yahoogroups.com> wrote:

Hello,

I have a Lowe HF225 receiver that is not working. I believe the problem is that the
diodes in the front end are bad as a result of leaving the antenna connected. My
understanding is that the diodes that are bad are BA244A and BA482. I have looked for these diodes, but have not been able to locate any. Does anyone know where I might be able to obtain them?

Thank you for your help

Kind regards,
Richard

812. RE: Source for HF225 front end diodes

Yahoo group: Lowe_Receivers
Date: 2013-10-13 19:03:14 UTC
From: <caladonia5560@...>
Topic: 810 Message: 812

BA244S diodes are availale on Ebay for $2.00 for 25 plus shipping, They appear to be equivalent to the BA244A

Les

---In lowe_receivers@yahoogroups.com, <julian@...> wrote:

The switching diodes used in the antenna input are D1 - 11, all BA244A PIN switching diodes. I can look for equivalents later and maybe someone can advise the resistance readings you can expect to see in-circuit to save you having to pull them all out. There's no BA482 listed in the parts list

- Julian

---In Lowe_Receivers@yahoogroups.com, <lowe_receivers@yahoogroups.com> wrote:

Hello,

I have a Lowe HF225 receiver that is not working. I believe the problem is that the
diodes in the front end are bad as a result of leaving the antenna connected. My
understanding is that the diodes that are bad are BA244A and BA482. I have looked for these diodes, but have not been able to locate any. Does anyone know where I might be able to obtain them?

Thank you for your help

Kind regards,
Richard

813. collector sets for sale

Yahoo group: Lowe_Receivers
Date: 2013-10-23 01:47:06 UTC
From: <mikemaghakian@...>
Topic: 813 Message: 813

I have decided it is time to part with some of the gems of the small collection I have.

they are all blood related inside,

Lowe SRX30
Lowe SRX30D
Century21
Standard C6500
Drake SSR-1

you can email me direct at mmaghakian @ yahoo.com

814. bar graph signal level indicator for HF150

Yahoo group: Lowe_Receivers
Date: 2013-10-31 07:52:03 UTC
From: <najrao66@...>
Topic: 814 Message: 814

Group, I am surprised that there has been no interest in subject after I posted a photo of my accomplishment; I even posted a short write-up to group owner. Perhaps, nobody took a look?

815. Re: [Lowe_Receivers] bar graph signal level indicator for HF150

Yahoo group: Lowe_Receivers
Date: 2013-10-31 08:20:10 UTC
From: Bob Warriner
Topic: 814 Message: 815

Hi, I have an "S" meter attached to my HF-150, but your solution seems to be much more elegant.
I take it that you are sampling the AGC voltage and using it to show on the display by utilising some of the unused connections...is that right?
Would it be possible to upload the details to the files section?
Rgds Bob (UK)
----- Original Message -----
From: najrao66@yahoo.com
To: Lowe_Receivers@yahoogroups.com
Sent: Thursday, October 31, 2013 7:52 AM
Subject: [Lowe_Receivers] bar graph signal level indicator for HF150

Group, I am surprised that there has been no interest in subject after I posted a photo of my accomplishment; I even posted a short write-up to group owner. Perhaps, nobody took a look?

816. Re: [Lowe_Receivers] bar graph signal level indicator for HF150

Yahoo group: Lowe_Receivers
Date: 2013-10-31 09:26:56 UTC
From: Paul Jinks
Topic: 814 Message: 816

Dear najrao66@...

I cannot see it in my past posts.
Maybe it never made it to the group.
Please post it again.

-PAUL

On 31/10/2013 07:52, najrao66@... wrote:
>
>
> Group, I am surprised that there has been no interest in subject after
> I posted a photo of my accomplishment; I even posted a short write-up
> to group owner. Perhaps, nobody took a look?
>
>

817. RE: [Lowe_Receivers] bar graph signal level indicator for HF150

Yahoo group: Lowe_Receivers
Date: 2013-10-31 11:54:21 UTC
From: Fraser Castle
Topic: 814 Message: 817

Apologies for not commenting on the Signal Meter project. I regret I am very unwell these days and have not had much involvement with this Groups postings of recent. I am sure the Group appreciate your efforts.

Did you use the classic LM3914 or LM3915 ICs for your bar graph driver ? Please feel free to provide further details as I feel sure there will be interest.

Kind Regards

Fraser

Group Owner

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of najrao66@...
Sent: 31 October 2013 07:52
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] bar graph signal level indicator for HF150

Group, I am surprised that there has been no interest in subject after I posted a photo of my accomplishment; I even posted a short write-up to group owner. Perhaps, nobody took a look?

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4158 / Virus Database: 3615/6796 - Release Date: 10/31/13

818. Re: [Lowe_Receivers] bar graph signal level indicator for HF150

Yahoo group: Lowe_Receivers
Date: 2013-10-31 13:04:04 UTC
From: N.A.Janardan Rao
Topic: 814 Message: 818

On Thursday, October 31, 2013 5:24 PM, Fraser Castle <fraser.castle@btinternet.com> wrote:

Apologies for not commenting on the Signal Meter project. I regret I am very unwell these days and have not had much involvement with this Groups postings of recent. I am sure the Group appreciate your efforts.

Did you use the classic LM3914 or LM3915 ICs for your bar graph driver ? Please feel free to provide further details as I feel sure there will be interest.

Kind Regards

Fraser
Group Owner

From:Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of najrao66@...
Sent: 31 October 2013 07:52
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] bar graph signal level indicator for HF150

Group, I am surprised that there has been no interest in subject after I posted a photo of my accomplishment; I even posted a short write-up to group owner. Perhaps, nobody took a look?

No virus found in this message.
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Version: 2014.0.4158 / Virus Database: 3615/6796 - Release Date: 10/31/13

819. Re: [Lowe_Receivers] bar graph signal level indicator for HF150

Yahoo group: Lowe_Receivers
Date: 2013-10-31 13:04:23 UTC
From: N.A.Janardan Rao
Topic: 814 Message: 819

On , N.A.Janardan Rao <najrao66@...> wrote:

On Thursday, October 31, 2013 5:24 PM, Fraser Castle <fraser.castle@...> wrote:

Apologies for not commenting on the Signal Meter project. I regret I am very unwell these days and have not had much involvement with this Groups postings of recent. I am sure the Group appreciate your efforts.

Did you use the classic LM3914 or LM3915 ICs for your bar graph driver ? Please feel free to provide further details as I feel sure there will be interest.

Kind Regards

Fraser
Group Owner

From:Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of najrao66@...
Sent: 31 October 2013 07:52
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] bar graph signal level indicator for HF150

Group, I am surprised that there has been no interest in subject after I posted a photo of my accomplishment; I even posted a short write-up to group owner. Perhaps, nobody took a look?

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4158 / Virus Database: 3615/6796 - Release Date: 10/31/13

820. RE: RE: [Lowe_Receivers] bar graph signal level indicator for HF150

Yahoo group: Lowe_Receivers
Date: 2013-11-01 11:05:38 UTC
From: <najrao66@...>
Topic: 814 Message: 820

First: Fraser, I am very sorry to learn you are very unwell, and wish you will get it over with soon. Perhaps, my explanatory letter to you on the subject never made it to you. Worse, I can't call it back on this new-fangled yahoo presentation.

I will try to be concise: Yes, LM3914 drives 10 SMD LED's in a line. The AGC voltage is used as the S signal, buffered, leveled and amplified to 0 -3.3V from the 2.2 -2.5V available, by an LF356 operating off the 5V bus. Cf. JT's sketch in the files section. The LED's draw < 4mA each, and the extra 40mA seems to be no problem for the TO92 5V regulator.

The real novelty is getting the 10 LED's to where they can show through little 'dimples' carefully drilled along a line on the back side of the Perspex 'bezel', if that is the word to describe it. Each LED is remarkably small, 1.5*0.75* 0.5 thick, mounted on a 0.5 thick pcb. To gain the extra 1.5mm needed behind the bezel, I use a 'gasket' to stand it proud of the aluminium front plate. The LED's came already mounted on their pcb, five a go, from, --- wait for it, discarded laptop batteries. Only some older ones have them.

The 3914 fits behind the front plate, inside the box; there is just enough space to the right of the LCD display. The wiring between the 3914 board and the fiddly bar-display LED's was by 0.5mm* Kynar wires, bunched to pass through a 2.5mm hole in the front plate where it can't show through, being covered by the bezel. Instant glue and double-side adhesive 3M tape were used rather profusely I am afraid.

The AGC voltage is a poor signal for measuring signal strength, and varies so little from S1 to S9+60dB, so conditioning this is essential. Also, the very level of this signal is said to be 'temperature-dependent' in the SL6700 data sheet. OK for home use, I suppose. The calibration is not great, but I have set the LF356 gain to just turn off the first LED in the bar with the HF-150 tuned to 29.999 MHz and all antenna connections removed. At the other end, the local 612kHz station picked up by a really long wire antenna is taken as S9+60dB, and set to turn on the tenth LED only just. My SSG offers precise signal levels between −20dB and +126dB (0dB=1microvolt), and I have checked that the calibration is indeed quite good, and very stable! S9 is just after the fourth dot.

I am afraid this cannot be a project for everyone, because of tricky parts and unconventional brewing methods. Please ask if more detail needed.

Janardan.

*Correction: 0.5 is the covered wire dia, the conductor is 0.25 dia.

---In Lowe_Receivers@yahoogroups.com, <lowe_receivers@yahoogroups.com> wrote:

Apologies for not commenting on the Signal Meter project. I regret I am very unwell these days and have not had much involvement with this Groups postings of recent. I am sure the Group appreciate your efforts.

Did you use the classic LM3914 or LM3915 ICs for your bar graph driver ? Please feel free to provide further details as I feel sure there will be interest.

Kind Regards

Fraser
Group Owner

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com] On Behalf Of najrao66@...
Sent: 31 October 2013 07:52
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] bar graph signal level indicator for HF150

Group, I am surprised that there has been no interest in subject after I posted a photo of my accomplishment; I even posted a short write-up to group owner. Perhaps, nobody took a look?

No virus found in this message.
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Version: 2014.0.4158 / Virus Database: 3615/6796 - Release Date: 10/31/13

821. I need help with an SRX 30

Yahoo group: Lowe_Receivers
Date: 2013-11-06 16:57:25 UTC
From: <alloydog@...>
Topic: 821 Message: 821

I need a bit of help...

Well over 20 years ago, I hacked around my old SRX 30. I replaced the "RF Gain" pot with a stepped attenuator, removed the internal telescopic antenna, added a coaxial connector and replaced the onboard mains to DC convertor with a proper power supply. A couple of years back, I dug the poor thing out and tried to get it working. Sometime in between, I had re-fitted a pot. for the RF Gain/attenuator.

Photos of the poor abused beast are here:
http://groups.yahoo.com/neo/groups/Lowe_Receivers/photos/albums/569064442

However, the radio is dead: There is a very feint hiss from the speaker, so I am assuming the thing as a whole is still working. I think the problem is the RF path. I have the circuit diagram, but it doesn't help for which tab on the Band Selector switch to fix the wire from the "RF Gain" pot to. I have tried to buzz it out with a DMM, but because there are coils in the circuit, everything seems to be shorted to earth.

Here are some close ups of the where I think the problem is:
http://groups.yahoo.com/neo/groups/Lowe_Receivers/photos/albums/569064442/lightbox/1649301131

http://groups.yahoo.com/neo/groups/Lowe_Receivers/photos/albums/569064442/lightbox/476990617

Does anyone have an SRX 30, that they can maybe take some pictures of how the wiring ought to be? Or even just try and explain?

I would like to get it working. I have a Sony scanner that covers the HF bands, but maybe I'm just an old git, but I prefer to be able to twiddle a dial, rather than faff around with a key pad. I'm not looking to restore it, but just working is enough.

822. HF150

Yahoo group: Lowe_Receivers
Date: 2013-12-10 10:50:55 UTC
From: John Daniels
Topic: 822 Message: 822

I have an HF150 which I have owned for about 3 years. I have never had any problems with it
and it has always worked fine. However I recently acquired a Keypad which I cannot get to work.
When I plug the Keypad in it totally mutes the receiver and the Keypad is inoperable.
I have no reason to believe that the Keypad is the problem because when anything else is plugged into the Keypad socket e.g extension speaker,earphones etc. the same thing happens, the receiver is muted.

Has anyone come across this 'problem' before or have any suggestions as to why this is happening ?

Thanks
John

823. Re: [Lowe_Receivers] HF150

Yahoo group: Lowe_Receivers
Date: 2013-12-10 11:23:51 UTC
From: Paul Jinks
Topic: 822 Message: 823

I did have similar problem with mine.
I traced it to a dry joint between the vertical front display panel and the main horizontal panel.

These do not appear to be wired together but soldered at a join.

Like you the receiver worked normally but my mine ignored the keypad most times until I noted the keypad only worked if I pressed the front panel. Hence I found the dry joint.

Might be same thing.

-PAUL

On 10/12/2013 10:50, John Daniels wrote:
>
>
> I have an HF150 which I have owned for about 3 years. I have never had
> any problems with it
> and it has always worked fine. However I recently acquired a Keypad
> which I cannot get to work.
> When I plug the Keypad in it totally mutes the receiver and the Keypad
> is inoperable.
> I have no reason to believe that the Keypad is the problem because
> when anything else is
> plugged into the Keypad socket e.g extension speaker,earphones etc.
> the same thing happens,
> the receiver is muted.
>
> Has anyone come across this 'problem' before or have any suggestions
> as to why this is happening ?
>
> Thanks
> John
>
>
>

824. Re: [Lowe_Receivers] HF150

Yahoo group: Lowe_Receivers
Date: 2013-12-10 11:30:17 UTC
From: Paul Jinks
Topic: 822 Message: 824

I did have similar problem with mine.
I traced it to a dry joint between the vertical front display panel and the main horizontal panel.

These do not appear to be wired together but soldered at a join.

Like you the receiver worked normally but my mine ignored the keypad most times until I noted the keypad only worked if I pressed the front panel. Hence I found the dry joint.

Might be same thing.
-PAUL

Added note: Sorry when I say panel I mean PCB!

On 10/12/2013 10:50, John Daniels wrote:
>
>
> I have an HF150 which I have owned for about 3 years. I have never had
> any problems with it
> and it has always worked fine. However I recently acquired a Keypad
> which I cannot get to work.
> When I plug the Keypad in it totally mutes the receiver and the Keypad
> is inoperable.
> I have no reason to believe that the Keypad is the problem because
> when anything else is
> plugged into the Keypad socket e.g extension speaker,earphones etc.
> the same thing happens,
> the receiver is muted.
>
> Has anyone come across this 'problem' before or have any suggestions
> as to why this is happening ?
>
> Thanks
> John
>
>
>

825. Re: [Lowe_Receivers] HF150

Yahoo group: Lowe_Receivers
Date: 2013-12-10 11:40:24 UTC
From: Bob Warriner
Topic: 822 Message: 825

Hi John, I agree with Paul on this one, almost certainly a broken connection between the main board and the front panel.
There can be a little stress between the two boards in certain circumstances.
Rgds Bob.

----- Original Message -----
From: John Daniels
To: lowe_receivers@yahoogroups.com
Sent: Tuesday, December 10, 2013 10:50 AM
Subject: [Lowe_Receivers] HF150

I have an HF150 which I have owned for about 3 years. I have never had any problems with it and it has always worked fine. However I recently acquired a Keypad which I cannot get to work.
When I plug the Keypad in it totally mutes the receiver and the Keypad is inoperable.
I have no reason to believe that the Keypad is the problem because when anything else is plugged into the Keypad socket e.g extension speaker,earphones etc. the same thing happens, the receiver is muted.

Has anyone come across this 'problem' before or have any suggestions as to why this is happening ?

Thanks
John

826. Re: [Lowe_Receivers] HF150

Yahoo group: Lowe_Receivers
Date: 2013-12-11 08:49:38 UTC
From: <lorikeetuk@...>
Topic: 822 Message: 826

Hi Paul & Bob,

Many thanks for your replies.

My question now is how or where do I get it fixed. I have no knowledge of electronics and can't solder to save my life !

Any ideas please ?

Regards
John.

827. Re: [Lowe_Receivers] HF150

Yahoo group: Lowe_Receivers
Date: 2013-12-11 09:40:32 UTC
From: Paul Jinks
Topic: 822 Message: 827

Hi John
There are several good people in this forum who will read this and offer help.
Be patient.

-PAUL

828. Re: [Lowe_Receivers] HF150

Yahoo group: Lowe_Receivers
Date: 2013-12-11 09:46:02 UTC
From: Paul Jinks
Topic: 822 Message: 828

Hi John
There are several good people in this forum who will read this and offer help.
Be patient.

-PAUL

829. Re: [Lowe_Receivers] HF150

Yahoo group: Lowe_Receivers
Date: 2013-12-11 10:53:44 UTC
From: Tracey Gardner
Topic: 822 Message: 829

Hello John

Have a word with Mark Sumner, he is ex-AOR UK and repairs the 7030 series of receivers, as part of his business
I know that he has just finished repairing a 150 and he's willing to take a look at yours.

He can be contacted at

mws@...

http://www.mwstec.co.uk/index.html

73s Tracey G5VU

----- Original Message -----
From: lorikeetuk@...
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, December 11, 2013 8:49 AM
Subject: Re: [Lowe_Receivers] HF150

Hi Paul & Bob,

Many thanks for your replies.

My question now is how or where do I get it fixed. I have no knowledge of electronics

and can't solder to save my life !

Any ideas please ?

Regards

John.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.3462 / Virus Database: 3658/6909 - Release Date: 12/10/13

830. PR-150 not dead, but deaf...

Yahoo group: Lowe_Receivers
Date: 2013-12-13 16:49:04 UTC
From: <hans.ostnell@...>
Topic: 830 Message: 830

Hi group!

I have a PR-150 preselector for the HF-150. It lights up fine, and bandswitch buttons work fine. However, it works more or less as a 40-50 dB attenuator, at it's best. Selecting "wideband" does not help. It's possible to select band and peak some traces of signal by means of the "tuning wheel". Selecting preamp dos not work at all.

Anyone in the group having any experience with this kind of malfunction?

Regards,

Hans / LA2MOA
Vardo, Norway

831. HF-225 "THE DAMPER" removal

Yahoo group: Lowe_Receivers
Date: 2013-12-17 13:57:43 UTC
From: John
Topic: 831 Message: 831

I just bought an HF-225 with extras - including what looks like a sheet of aircraft type multiply birch plywood stuck to both the top and bottom cabinet panels, supposedly to dampen resonance when using the internal speaker. The top panel has "Russ Andrews" in script and "THE DAMPER" in block. Is anyone familiar with this - in particular, how to remove it without damaging the paint?

It should get here by the weekend - and will join my only other Lowe rcvr - my HF-150 & PR-150 combo, which I bought new from EEB 14-15+ years back.I lusted after the 'simple' HF-125 - then the 225 - then it's Europa variant. This 225 is a 'bucket list' item - and joins my last few years acquisitions - a used R75 with AM sync and a Palstar R30A. I prefer the little Lowe 150 pair - feeding a Polk Studio Monitor. I also have a few el-cheapo KLH speakers and my now fuzzy sounding RS Minimus/Optimus 7 speakers to use as well as a mix of headphones. I did use another ODXA member's HF-225 at one of their DX-peditions to Longford Mills, Ontario - it was neat - and planted the seed. I can't wait to get it!

John

832. RE: HF-225 "THE DAMPER" removal

Yahoo group: Lowe_Receivers
Date: 2013-12-17 15:55:27 UTC
From: <johnchik.jd@...>
Topic: 831 Message: 832

Curious to know how you think the 150 compares to the 225. Read in some reviews that it didn't have sync det on SSB so the 150 was better for listening to SSB.

John

833. Re: HF-225 "THE DAMPER" removal

Yahoo group: Lowe_Receivers
Date: 2013-12-17 18:40:51 UTC
From: John
Topic: 831 Message: 833

I'll A_B them once my 225 gets here - Saturday, I'm told. I can tell you that the selectable sideband synchronous AM detector in the 150 works superbly and that the DSB synchronous AM detector in the 225 works well with decent signals in reducing fading effects like selective sideband fades - but only in AM signals. Both need a carrier to lock on to, while a SSB signal, actually SSB SC for 'suppressed carrier', has no carrier. I'm not sure that the selectivity choices of the 225 give it an advantage in SSB SC voice use. I hope this helps!

John

--- In Lowe_Receivers@yahoogroups.com, <johnchik.jd@...> wrote:
>
> Curious to know how you think the 150 compares to the 225. Read in some reviews that it didn't have sync det on SSB so the 150 was better for listening to SSB.
>
>
> John
>

834. Re: HF-225 "THE DAMPER" removal

Yahoo group: Lowe_Receivers
Date: 2013-12-18 14:31:06 UTC
From: Neil McCaughan
Topic: 831 Message: 834

Russ Andrews makes after-market tweaks and upgrades for the Hifi market. The Damper is still in their inventory

http://www.russandrews.com/product.asp?lookup=1®ion=UK¤cy=GBP&pf_id=5700

Suggest you ask them what the best solvent is

Merry Christmas

Neil

835. Re: HF-225 "THE DAMPER" removal

Yahoo group: Lowe_Receivers
Date: 2013-12-18 14:55:46 UTC
From: John
Topic: 831 Message: 835

Great suggestion, Neil! I had no idea who Russ Andrews was/is - but have e-mailed them my question. Thanks and a Merry Christmas to you and yours, too.

John

--- In Lowe_Receivers@yahoogroups.com, "Neil McCaughan" <neil.mack@...> wrote:
>
>
> Russ Andrews makes after-market tweaks and upgrades for the Hifi market. The Damper is still in their inventory
>
> http://www.russandrews.com/product.asp?lookup=1®ion=UK¤cy=GBP&pf_id=5700
>
> Suggest you ask them what the best solvent is
>
> Merry Christmas
>
> Neil
>

836. HF-225 arrives!

Yahoo group: Lowe_Receivers
Date: 2013-12-19 22:18:05 UTC
From: John
Topic: 836 Message: 836

My HF-225 arrived today - pretty nice! I had just found Lowe's response to my info & US-sales request - dated 22 October 1990. Over twenty-three years of indecision - gotta be a record! But - I finally got one! Not so sure about the DSB Synch AM - I guess my years of having and using my HF-150 have spoiled me there. In fact, my favorite 150 use was connected to the Palstar R30A's 455 kHz IF output as a modern day 'Q5-er', a la my solid dtated BC-453A connected to my original SWL receiver - my Lafayette Radio HE-10 (1962!). Time to hook the 150 & 225 to a passive splitter and compare them - I'll report back - maybe even breakout my URM or SG 25 - and do a sensitivity test or two - later - first, a qualitative analysis!

John

837. RE: HF-225 arrives!

Yahoo group: Lowe_Receivers
Date: 2013-12-20 14:14:55 UTC
From: <tthiewes@...>
Topic: 836 Message: 837

Excellent news John. I look forward to hearing the comparison. I have my 150 on a passive splitter with a JRC nrd-545. Often the 150 wins with its mellow audio.

838. New file uploaded to Lowe_Receivers

Yahoo group: Lowe_Receivers
Date: 2013-12-20 14:31:08 UTC
From: Lowe_Receivers@yahoogroups.com
Topic: 26 Message: 838

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Lowe_Receivers
group.

File : /HF-225/I've wanted an HF-225 for a while! 001.jpg
Uploaded by : jrtow3rd@... <JRTOW3RD@...>
Description : I've wanted a 225 for a while...

You can access this file at the URL:
http://groups.yahoo.com/group/Lowe_Receivers/files/HF-225/I%27ve%20wanted%20an%20HF-225%20for%20a%20while%21%20001.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

jrtow3rd@... <JRTOW3RD@...>

839. Lowe HF-150 vs HF-225 - Part 1

Yahoo group: Lowe_Receivers
Date: 2013-12-22 04:43:56 UTC
From: John
Topic: 839 Message: 839

First look - the 150's unlit display has better, ie, easier to read in most room illumination types, contrast making it easier to read. Bandscanning is easier and faster with the 150 - unless you have the keyboard accessory, which came with my 225. With it and either the 150 or 225, bandscanning is equivalent - and faster.

The radios were connected to a Pixel Tech PRO-1a magnetic loop located in my walkup attic fed by RG-6 via a homebrew 2-port hybrid coupler (splitter). Each radio fed a Polk Audio Studio Monitor speaker, hand me downs from my 'home theater'. Their 91 db sensitivity and clean response makes SWLing enjoyable when the signals are 'in the clear', while providing room filling sound levels from the little radios. Each radio was powered by it's own Jameco #170245 12V 1A regulated linear wall wart PS (Like the one supplied with my Palstar R30A when new.). I bought a few as spares - for my NIR-10, FRG-9600, etc - they work well and were ~$12/ea. The audio was quite similar on AM using the 7 kHz BW on both, as you'd expect upon looking at their respective schematics. The audio output amps are identical, component wise, except for the gain being set higher on the 225 to offset the RC-type tone control circuit, which allowed some critical audio speech enhancements which weren't possible with the 150. Slight edge to DX-ability for the 225! The selectable sideband synchronous AM detection gave the edge back to the 150 when SWLing decent signals with adjacent channel QRM. On regular AM, the clean signals can be 'enjoyed' with the 225's 10 kHz BW, the 150 having an offset DSB synchronous detection capability (ASF) which gives it a run for the money - makes clean signal listening a draw.

I placed my PR-150 between the loop and splitter. On wideband, ie, tuned circuit bypass, and with the 6db pre-amp on, I noted far more 49MB strong signal IM products at 12 MHz on the 150 than the 225. Both vanished when I tuned the PR-150 - or added a Mizuho SX-59 preselector in the line and peaked it on the 49mb signals. Such products all but vanished on the 150 with the pre-amp off - and didn't seem problematic on the 225 with the pre-amp on or off - advantage 225 here.

So, thus far, it's a mixed bag - and the little 150 really is a hard act to follow. Of course, had I started with a 225 first, I'd likely feel differently! Me, I'm glad I fnally have both - and finally discovered the utility of the keyboard accessory, particularly with the 225. More to come...

John

840. HF-225 Tuning Knob

Yahoo group: Lowe_Receivers
Date: 2014-01-07 13:33:26 UTC
From: <davelimmer@...>
Topic: 840 Message: 840

Hello all,

I couldn't resist buying a near-mint HF-225 which was on sale locally - the only flaw is that the previous owner replaced the tuning knob with an ugly rubber-coated "thing" which looks out of place. If anyone happens to have an original style black plastic tuning knob, I'd be happy to pay any reasonable price - PayPal, cheque or whatever.

Many thanks,

Dave Limmer

841. Re: [Lowe_Receivers] HF-225 Tuning Knob

Yahoo group: Lowe_Receivers
Date: 2014-01-10 15:21:32 UTC
From: Mike L
Topic: 840 Message: 841

On 07/01/2014 13:33, davelimmer@... wrote:
> Hello all,
>
> I couldn't resist buying a near-mint HF-225 which was on sale locally
> - the only flaw is that the previous owner replaced the tuning knob
> with an ugly rubber-coated "thing" which looks out of place. If
> anyone happens to have an original style black plastic tuning knob,
> I'd be happy to pay any reasonable price - PayPal, cheque or
> whatever.
>
> Many thanks,
>
> Dave Limmer
>

Hi Dave,
I've got one spare, changed mine for the 'ally' type off the HF 150.
It's in perfect nick.
You're welcome to it for the postage cost, probably about 3quid as it's
too big for the letter rates.
Send me a PM.

Cheers
Mike L

842. HF/PR-150 tuning knob sought

Yahoo group: Lowe_Receivers
Date: 2014-01-11 13:51:35 UTC
From: John
Topic: 842 Message: 842

My recent HF-225 purchase is a super receiver - but I like my HF/PR-150 tuning knob a bit better. I guess the years of using the HF-150/PR-150 pair, which I bought new from EEB, have spoiled me. Does anyone know of a possible source for a spare HF/PR-150 tuning knob? I'd like to keep the OEM knob... just in case! Thanks.

John

843. Re: [Lowe_Receivers] HF/PR-150 tuning knob sought

Yahoo group: Lowe_Receivers
Date: 2014-01-11 14:16:45 UTC
From: Tracey Gardner
Topic: 842 Message: 843

Hello John

I think that I've got some HF-150 tuning knobs hidden away somewhere.
I'll see if I can find them and get back to you.

Regards

Tracey
UK

----- Original Message -----
From: "John" <JRTOW3RD@...>
To: <Lowe_Receivers@yahoogroups.com>
Sent: Saturday, January 11, 2014 1:51 PM
Subject: [Lowe_Receivers] HF/PR-150 tuning knob sought

> My recent HF-225 purchase is a super receiver - but I like my HF/PR-150
> tuning knob a bit better. I guess the years of using the HF-150/PR-150
> pair, which I bought new from EEB, have spoiled me. Does anyone know of a
> possible source for a spare HF/PR-150 tuning knob? I'd like to keep the
> OEM knob... just in case! Thanks.
>
> John
>
>
>
> ------------------------------------
>
> Yahoo Groups Links
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> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2013.0.3462 / Virus Database: 3658/6993 - Release Date: 01/10/14
>

844. Jameco ReliaPro Power Supply

Yahoo group: Lowe_Receivers
Date: 2014-01-13 13:46:10 UTC
From: John
Topic: 844 Message: 844

If your HF-150, -225, etc, has a tired US-style PS, consider the regulated analog wall wart that Jameco offers as product #1953663 ($14.95 in single lots - plus s/h.). It is a center positive 2.5mm/5.5mm plug. It came standard with my Palstar R30A and fits my JPS NIR-10, Yaesu FRG-9600, and Tivoli Audio Model One table top AM/FM radio as well as my homebrew 12V accessories.

The power supplies I have are 12.1-12.2V and have an insignificant drop with the PR-150, preamp on, as a load. No zero volume background hum or noise was noted on any of the above receivers/accessories either through a Polk Audio Studio Monitor speaker or my Koss Pro-4AA or Sony MDR-V6 headphones. The only one that runs warm at all is the one connected to the FRG-9600, although the jury-rigged connectionto my Icom R75 did as well.

The Jameco site reveals that the line of ReliaPro regulated analog power wall warts are made in Taiwan and use a FW rectifier from a centertapped transformer feeding a heat sunk LM-317T type regulator, with healthy input/output filter capacitors - a proven design (The Lowe-built PS employs a fixed 7812 regulator, if memory serves me. It's been years since I took my HF-150's such Lowe PS apart to resolder a cold - and microphonic - solder joint.). The construction requirements and test results are also included. Jameco still has a range of power supply voltage and connector size/polarity available.

So... if you need a wall wart PS - and don't enjoy DXing the digital hash of the typical switching supplies, get a Jameco unit - or two. I have several!

John

845. Batteries

Yahoo group: Lowe_Receivers
Date: 2014-02-14 20:41:21 UTC
From: <johnchik.jd@...>
Topic: 845 Message: 845

Hello, New to the group and just got hold of HF-150 and am wondering if it is ok to use NiMH batteries in place of NiCd ones?

John

846. Re: [Lowe_Receivers] Batteries

Yahoo group: Lowe_Receivers
Date: 2014-02-14 23:42:54 UTC
From: John A. Figliozzi
Topic: 845 Message: 846

I've been using NiMHs for years now with no adverse results. The extra play time between recharges is nice to have.

John Figliozzo

Sent from my iPad

> On Feb 14, 2014, at 3:41 PM, <johnchik.jd@...> wrote:
>
> Hello,
>
> New to the group and just got hold of HF-150 and am wondering if it is ok to use NiMH batteries in place of NiCd ones?
>
> John
>

847. Re: [Lowe_Receivers] HF/PR-150 tuning knob sought

Yahoo group: Lowe_Receivers
Date: 2014-02-16 02:35:05 UTC
From: <JRTOW3RD@...>
Topic: 842 Message: 847

Tracey,

Have you had any luck finding your spare HF-150 tuning knobs yet? If so, what would you want - including shipping - to Pinson, Alabama 35126? Thanks!

John

848. RE: HF-225 Tuning Knob

Yahoo group: Lowe_Receivers
Date: 2014-02-16 16:59:22 UTC
From: <tracey.gardner@...>
Topic: 840 Message: 848

Hello Dave

Did you manage to get sorted with a knob for your 225?
If not I've just found one in my Lowe spares box
Regards

Tracey

849. Re: [Lowe_Receivers] RE: HF-225 Tuning Knob

Yahoo group: Lowe_Receivers
Date: 2014-02-17 04:16:59 UTC
From: Sheldon Kane
Topic: 840 Message: 849

My 225 has been completely restored brought into A+ condition. After I replaced the tone control, I found a pair of matching knobs for tone and volume that are better looking and feel much better than the original. I have since discovered this radio has the whip amp and AMS module as well. After I Installed a new memory backup battery, I found the receiver alignment was spot on. This radio has the finest audio of ALL the receivers in my collection.
Thank you for the offer.

Sheldon Kane

From: <tracey.gardner@...>
Reply-To: <Lowe_Receivers@yahoogroups.com>
Date: Sunday, February 16, 2014 8:59 AM
To: <Lowe_Receivers@yahoogroups.com>
Subject: [Lowe_Receivers] RE: HF-225 Tuning Knob

850. Re: [Lowe_Receivers] RE: HF-225 Tuning Knob

Yahoo group: Lowe_Receivers
Date: 2014-02-17 02:00:21 UTC
From: Dan Robinson
Topic: 840 Message: 850

Tracy -- is your spare still available?

Daniel A. Robinson

> On Feb 16, 2014, at 11:59 AM, <tracey.gardner@...> wrote:
>
> Hello Dave
>
>
>
> Did you manage to get sorted with a knob for your 225?
>
> If not I've just found one in my Lowe spares box
>
> Regards
>
>
>
> Tracey
>
>
>
>
>

851. HF150/HF225 Tuning Knobs

Yahoo group: Lowe_Receivers
Date: 2014-02-17 17:03:44 UTC
From: Tracey Gardner
Topic: 851 Message: 851

Am I correct in thinking that the shafts on the tuning encoders on the HF150 and HF225 are of different diameters?
The result of this being that an HF150 knob will not fit onto an HF225 encoder shaft?

Thanks

Tracey

852. Re: [Lowe_Receivers] RE: HF-225 Tuning Knob

Yahoo group: Lowe_Receivers
Date: 2014-02-17 20:26:55 UTC
From: Mike L
Topic: 840 Message: 852

On 16/02/2014 16:59, tracey.gardner@... wrote:
> Hello Dave
>
> Did you manage to get sorted with a knob for your 225?
> If not I've just found one in my Lowe spares box
> Regards
>
> Tracey
>
Hi Tracey & Group
I posted Dave an orignal 225 knob on 15th Jan, just for the cost of the postage, that I had surplus.
I think he must be ill or something as I've not heard from him since or received the postage costs.
First time in over 50 years of 'playing with radio' that I've been let down.
If he is ill or some other misfortune I still wish him well.

Cheers
Mike L

853. Fw: Yahoo! Groups: Welcome to Lowe_Receivers. Visit today!

Yahoo group: Lowe_Receivers
Date: 2014-02-18 17:28:36 UTC
From: Maurits Van Driessche
Topic: 853 Message: 853

Today bought a Lowe 150 with keypad, I'm a MW DXer and normally use a Perseus SDR ,with supper Kaz antenna. I live in Belgium and listen to TA and LA stations. Someone real idea how it works on sensitivity and Selectivity. I wondering how anyone listens in the USA to Europe in the MW, especially on weak signals. many thanks
73,
Maurits
Belgium

On Tuesday, February 18, 2014 9:15 AM, Lowe_Receivers Moderator
<Lowe_Receivers-owner@yahoogroups.com> wrote:

Welcome to the Lowe_Receivers group at Yahoo! Groups.

You're set to connect with your group, so drop by soon.
Be sure to check out all the simple (and free) ways to
communicate, share, and discover:

* You choose when and how to stay in touch
* Swap photos, files, polls, calendars, links, and more with members
* Quickly scan new postings and browse detailed message archives
* Plus enjoy many more ways to show and tell - 24/7

So get started. Visit Lowe_Receivers now.
http://us.rd.yahoo.com/evt=42879/*http://groups.yahoo.com/group/Lowe_Receivers

Regards,
Moderator
Lowe_Receivers

Your use of
Yahoo Groups is subject to http://info.yahoo.com/legal/us/yahoo/utos/terms/

854. MW DX

Yahoo group: Lowe_Receivers
Date: 2014-02-18 18:23:14 UTC
From: <vandriesschemaurits@...>
Topic: 854 Message: 854

Today bought a Lowe 150 with keypad, I'm a MW DXer and normally use a Perseus SDR ,with supper Kaz antenna. I live in Belgium and listen to TA and LA stations. Someone real idea how it works on sensitivity and Selectivity. I wondering how anyone listens in the USA to Europe in the MW, especially on weak signals. many thanks
73,
Maurits
Belgium

855. Re: [Lowe_Receivers] RE: HF-225 Tuning Knob - UPDATE

Yahoo group: Lowe_Receivers
Date: 2014-02-20 20:59:30 UTC
From: Mike L
Topic: 840 Message: 855

On 17/02/2014 20:26, Mike L wrote:
> On 16/02/2014 16:59, tracey.gardner@... wrote:
>> Hello Dave
>>
>> Did you manage to get sorted with a knob for your 225?
>> If not I've just found one in my Lowe spares box
>> Regards
>>
>> Tracey
>>
> Hi Tracey & Group
> I posted Dave an orignal 225 knob on 15th Jan, just for the cost of the
> postage, that I had surplus.
> I think he must be ill or something as I've not heard from him since or
> received the postage costs.
> First time in over 50 years of 'playing with radio' that I've been let down.
> If he is ill or some other misfortune I still wish him well.
>
> Cheers
> Mike L

Hi All,
The abovementioned 'Dave' has indeed been ill, now thankfully somewhat
better, and has been in contact.

Cheers
Mike L

856. Lowe 150 Marine version

Yahoo group: Lowe_Receivers
Date: 2014-02-21 09:24:06 UTC
From: <vandriesschemaurits@...>
Topic: 856 Message: 856

Hi all ,is there a different between the marine 150 and the dark version Many thanks 73,

857. Lowe 150 is coming today

Yahoo group: Lowe_Receivers
Date: 2014-02-21 14:53:54 UTC
From: <vandriesschemaurits@...>
Topic: 857 Message: 857

Hi all my Lowe 150 marine receiver is arrived ,now when I tune example to radio Australia on 9475khz (normal freq,.) I have my Lowe tune to 9470khz I also compared with Perseus SDR .This is both in the LW, MW and shortwave ,always 5 khz lower than the original frequency I do everything small AM, USB, LSB, ect ..... but no help has anyone experience with this
Thanks in advance
73,
Maurits

858. Re: [Lowe_Receivers] Lowe 150 is coming today

Yahoo group: Lowe_Receivers
Date: 2014-02-21 21:37:46 UTC
From: crabtreejr@...
Topic: 857 Message: 858

My guess would be that the heterodyne (2nd) oscillator is not at the correct frequency. It is a crystal oscillator whose frequency is varied via a varicap diode.

Find a copy of the HF-150 service manual and take a look at the circuit and alignment procedure.

HTH and 73

John KC0G

In a message dated 2/21/2014 8:53:56 AM Central Standard Time, vandriesschemaurits@... writes:
> Hi all my Lowe 150 marine receiver is arrived ,now when I tune example
> to radio Australia on 9475khz (normal freq,.) I have my Lowe tune to 9470khz
> I also compared with Perseus SDR .This is both in the LW, MW and
> shortwave ,always 5 khz lower than the original frequency I do everything small
> AM, USB, LSB, ect ..... but no help has anyone experience with this
> Thanks in advance
> 73,
> Maurits
>
>

859. Re: [Lowe_Receivers] Lowe 150 is coming today

Yahoo group: Lowe_Receivers
Date: 2014-02-21 22:42:49 UTC
From: <vandriesschemaurits@...>
Topic: 857 Message: 859

Thanks John for you info ,take a copy from the net with schematic s .But I Am not a technicus to take a look inside the Lowe 150 .Its not so easy to find some technicusfor for this job many thanks for you tip
73,
Maurits

860. Re: [Lowe_Receivers] Lowe 150 is coming today

Yahoo group: Lowe_Receivers
Date: 2014-02-24 10:21:36 UTC
From: <vandriesschemaurits@...>
Topic: 857 Message: 860

Note the Lowe 150 is the marine version ,the seller say to me that hi using the Lowe with a transmitter under the 6150khz its 4khz under the real freq. so 6150khz = 6141khz
above the 6150khz its 5khz so 6170khz normal is 6165khz on the marine
thanks in advance
73,
Maurits

861. HF150 Computer control commands Problem

Yahoo group: Lowe_Receivers
Date: 2014-03-02 13:35:17 UTC
From: Paul Jinks
Topic: 861 Message: 861

Hi all
I will describe what happened and see if anyone has a solution.
While my HF150 was receiving a change frequency command, from my PC, I accidentally switched off the power.
Now my HF150 will not respond to change frequency commands correctly from my PC. It was working perfectly before then.
For example now I may send the command to change frequency but it may change mode instead or just ignore the command completely. Occasionally the command may work as normal from the PC.
If I just plug in the keyboard the HF150 just ignores any command sent from it.
Has the electronics been corrupted? Is there a way to 'RESET' the HF150 electronics?
Thanks Paul

862. Need help with an HF-150 part

Yahoo group: Lowe_Receivers
Date: 2014-03-12 01:34:19 UTC
From: <swradioman@...>
Topic: 862 Message: 862

I was wondering if anyone would be familiar with a source for the on/off switch volume pot for the HF-150 receiver. I have a receiver and the switch broke on it so I would like to obtain a replacement, if possible. Thanks for any help that can be offered!

Randy

863. Re: [Lowe_Receivers] Need help with an HF-150 part

Yahoo group: Lowe_Receivers
Date: 2014-03-12 02:48:33 UTC
From: crabtreejr@...
Topic: 862 Message: 863

Hello Randy

Where are you? If in the USA or Canada, please contact me directly.

73 John KC0G

-----Original Message-----
From: swradioman <swradioman@...>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Tue, Mar 11, 2014 8:34 pm
Subject: [Lowe_Receivers] Need help with an HF-150 part

I was wondering if anyone would be familiar with a source for the on/off switch volume pot for the HF-150 receiver. I have a receiver and the switch broke on it so I would like to obtain a replacement, if possible. Thanks for any help that can be offered!

Randy

866. Your Lowe receiver deserves a decent speaker!

Yahoo group: Lowe_Receivers
Date: 2014-03-14 13:05:01 UTC
From: <JRTOW3RD@...>
Topic: 866 Message: 866

As the ultimate DX-ability of my receivers improved, the easy listening ability seemed to worsen. As the DX targets have all but gone - and most of the decent international SW broadcasters, too - I turned my attentions to my then last purchase - my bought new HF-150. Over my ancient Koss Pro-4aa or more recent Sony MDR V6 headphones, reception was great, as was the audio quality. Using my usual Realistic/Optimus 7 diecast speakers beat the included speaker, but not by much - they are horribly inefficient - and a bit muddy. Admittedly, age has taken it's toll on my hearing. Skip ahead to 12/12 when I replaced my ancient Polk Studio Monitors in my office with somewhat similar sized Infinity Primus P163's, a 'deal' then for $85/ea shipped. The improved midrange was appreciated on my stereo as well as the little HF-150, which got the repurposed Polk speaker.

I tried the P163 on the HF-150 - wow! Clean SWBC stations, like Australia and Spain, are delightful to listen to via that speaker. I mounted a beefed up shelf to mount the speakers on - and decided to get a dedicated P163 for each of the now two Lowes (I added a used HF-225 last fall.). Sadly, they were not on sale - now $120/ea. I took a chance - ordered a P143 at a fraction of the P163's size and mass - and $60/ea shipped. Same HF driver - 4" LF driver - and about 4db less sensitive than the P163. Same midrange sound - and the lessened bass response is hardly noticed - a great match for both the HF-150 & 225 - I now need another one! For perspective, a Palstar SP30B/H is a speaker in a box/larger speaker in a larger padded box - and sells for $100/$200. So consider the $60 sound upgrade of the Infinity Primus P143 speaker for your Lowe receiver - a realizable alternative today to the longed for Lowe/Wharfedale S225, which I have only seen in brochures (I don't recall it's ever being available in the states.). The HF-150 in ASF mode - or the HF-225 on AM-S with 10 kHz BW - really deserve a decent speaker - even on local MW stations!

John

867. Re: Need help with an HF-150 part

Yahoo group: Lowe_Receivers
Date: 2014-03-14 20:30:29 UTC
From: <mikemaghakian@...>
Topic: 862 Message: 867

if the name of honesty you should mention you are a reseller/dealer

868. Re: Need help with an HF-150 part

Yahoo group: Lowe_Receivers
Date: 2014-03-15 02:43:19 UTC
From: <swradioman@...>
Topic: 862 Message: 868

Sorry to hear that you are getting out of the hobby, Mike....you will be REALLY missed!

869. Re: Need help with an HF-150 part

Yahoo group: Lowe_Receivers
Date: 2014-03-15 15:49:10 UTC
From: <mikemaghakian@...>
Topic: 862 Message: 869

all my favorites are gone
there's nothing left to live for (shortwave wise)

870. For Sale HF 225 outfit

Yahoo group: Lowe_Receivers
Date: 2014-03-28 21:19:23 UTC
From: Neil McCaughan
Topic: 870 Message: 870

I’m packing up the house and would like to sell some of my gear (which I have offered before).

It's a well specified SWL set as follows -

1. Lowe HF 225 Receiver in beautiful cosmetic condition and perfect working order. There is one tiny dent on the back left of the casework (which doesn't break the paint), otherwise this receiver is in absolutely immaculate condition.

Also fitted is the B225 battery option, but without the rechargeable batteries (will need a new set of standard nicads).

Complete with
2. Lowe 240VAC-12VDC mains transformer
3. Lowe numeric Keypad
4. Lowe FM & AMS option fitted
5. Lowe Whip aerial and fitted preamp
6. RF Systems Magnetic Longwire balun

More or less ready to go. You would need a long wire and a hookup if you wanted to use the MLB. I'd like to sell as a complete outfit. I’m in England. You're welcome to come and give it the once over here in Loughborough. It's compact so it would be possible to ship it. I would like to get £250 for the complete kit.

neil dot mack at btinternet dot com

871. Re: Need help with an HF-150 part

Yahoo group: Lowe_Receivers
Date: 2014-04-10 23:18:06 UTC
From: <mikey.potts@...>
Topic: 862 Message: 871

Dear all,

My apologies that this is my first post but I have also broken the volume on/off switch on my Lowe HF150 and I've only had it 2 days!

I noted that John KC0G had offered to help the OP - does that mean that this part still available anywhere or is there an equivalent? From my investigations it seems to be an ALPS 16mm DPDT pot 20k log. I've done some google searching but with no luck. I'd really appreciate any help anyone may be able to give me - very frustrated and angry with myself for carelessly breaking this part.

Regards,

Mike

MM0GUX

872. Re: on/off/volume potmeter hf150

Yahoo group: Lowe_Receivers
Date: 2014-04-11 00:03:36 UTC
From: <mikey.potts@...>
Topic: 472 Message: 872

Fraser,

Would you still have any of the HF150 on/off/volume controls? Or could you give me a part number for the original or equivalent? Any help much appreciated.

Regards,

Mike MM0GUX

873. Re: [Lowe_Receivers] Re: on/off/volume potmeter hf150

Yahoo group: Lowe_Receivers
Date: 2014-04-14 10:44:28 UTC
From: Paul Jinks
Topic: 472 Message: 873

EBAY uk have them.
But without on/off switch module.
You may be able to live with that or use the old one.

Paul

On 11/04/2014 01:03, mikey.potts@btopenworld.com wrote:
>
>
> Fraser,
>
> Would you still have any of the HF150 on/off/volume controls? Or could
> you give me a part number for the original or equivalent? Any help
> much appreciated.
>
> Regards,
>
> Mike MM0GUX
>
>
>

874. Re: Your Lowe receiver deserves a decent speaker!

Yahoo group: Lowe_Receivers
Date: 2014-05-15 13:46:08 UTC
From: JRTOW3RD@...
Topic: 866 Message: 874

An update: My pair of larger Infinity Primus P163 bookshelf speakers got their own place on a larger shelf I mounted above the listening post desk. I had intended on hanging my one smaller P143 on the wall, as it has a built-in mount, and switching it between radios. That changed when my source for the speakers had a short term offer of the larger P163's for the P143's price of $60/ea shipped - I ordered the pair, assuming I could, if not happy with them on my SW radios, use them as rear channel speakers in my TV room. My wife announced that mounting the larger speakers in the bookcases wasn't going to happen - they would need stands - another $50-$70/ea - or, her words, 'Those neat floor standing speakers you have for front speakers.'. They, P363's, were $400/ea speakers bought on a brief sale for $107/ea shipped. I re-ordered a second set during their last very temporary drop - again to $107 - it took two months to get them back in stock and they 1-day shipped them to me, arriving here last Friday. So, the P163's are mine - for my radio room!

In use, the P163's are overkill - but what a great sound - this AM's R. Australia music program on Cape Verde's music, yeah, that's near Australia, was great. It is wasted on the Palstar R30A, with it's widest BW determined by a Collins 5.8 kHz mechanical filter. It will get the P143, while my Lowe HF-150 and 225 will each have their own P163. That leaves the Icom R75, which uses my Tivoli Audio Model One's AUX input as an amplified speaker, all it is good for nowadays as it's scratchy plastic cased variable capacitor makes radio use now impossible. Sad epitaph for a $150+ analog tuned table radio in the H. Kloss style. I bought mine for $67 locally on closeout some years ago - made a great shop radio - for a while - an aggravating radio for longer - now a decent 'amplified speaker'. Good thing to look for at thrift stores!

Sound quality is important for general listening. These speakers really improve my listening pleasure. As R. Australia drops off 9,580 and 12,065 kHz this AM, I'll retune to a local MW station that plays oldies interspersed with current music - and continue listening. I think about the old picture of the family seated around the old console radio - tubes lit, etc. Yeah, I'm sitting at the computer's keyboard & LCD - the Lowe's glow from the LCD screen and LED's... If my wife wasn't at work, I'm sure I'd hear her opinion - probably about how nice my headphones would be!

John

PS I have yet to run the rear speaker cables. So, I could try one of those 60 lb P363's on my HF-225...

875. Re: [Lowe_Receivers] Re: Your Lowe receiver deserves a decent speaker!

Yahoo group: Lowe_Receivers
Date: 2014-05-15 14:54:11 UTC
From: John Rabson
Topic: 866 Message: 875
Attachments: 1 described; binary payloads are missing from this source WARC

On 15 May 2014, at 15:46, JRTOW3RD@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:

> Sound quality is important for general listening. These speakers really improve my listening pleasure. As R. Australia drops off 9,580 and 12,065 kHz this AM, I'll retune to a local MW station that plays oldies interspersed with current music - and continue listening. I think about the old picture of the family seated around the old console radio - tubes lit, etc.

It has been my experience over many years that a good quality loudspeaker is well worth having even for shortwave reception with heavy interference. My understanding (from a colleague at BT research labs) is that a good quality speaker is less prone to produce distortion and other impairments. As a result, listening under difficult conditions can be much less tiring and therefore more pleasurable.

Where practicable, I prefer a hi-fi speaker even if the receiver is set to a narrow bandwidth. For receiving CW, my favourite configuration includes a pseudo-stereo processor, such as the G6CJ stereocode unit, in the AF section.

John F5VLF/G3PAI

876. HF-150 volume knob on e-Bay

Yahoo group: Lowe_Receivers
Date: 2014-05-30 21:58:29 UTC
From: nimmo.alan@...
Topic: 876 Message: 876

Hi - I have for sale on e-Bay right now, an HF-150 volume knob: Lowe HF-150 Volume/ Power Knob SW
http://www.ebay.co.uk/itm/111363839159?ssPageName=STRK:MESELX:IT&_trksid=p3984.m1586.l2649

http://www.ebay.co.uk/itm/111363839159?ssPageName=STRK:MESELX:IT&_trksid=p3984.m1586.l2649

Lowe HF-150 Volume/ Power Knob SW
http://www.ebay.co.uk/itm/111363839159?ssPageName=STRK:MESELX:IT&_trksid=p3984.m1586.l2649
Lowe HF-150 Volume/ Power Knob SW in Mobile Phones & Communication, Radio Communication Equipment, Ham/Amateur Radio | eBay

View on www.ebay.co.uk
http://www.ebay.co.uk/itm/111363839159?ssPageName=STRK:MESELX:IT&_trksid=p3984.m1586.l2649
Preview by Yahoo

877. Lowe Electronics / Savox Communications

Yahoo group: Lowe_Receivers
Date: 2014-06-06 02:04:27 UTC
From: antoni@...
Topic: 877 Message: 877

The company no longer has any connection at all with the Lowe receiver production.

I've inherited the dregs of the spares that they held. There are such things as mixers, out of spec pcbs and such things as on/off volume controls mentioned recently here. I'm away at the moment and will be back home in August. I'll keep an eye on this forum...

878. Lowe HF-150 For Sale

Yahoo group: Lowe_Receivers
Date: 2014-06-28 00:30:34 UTC
From: nimmo.alan@...
Topic: 878 Message: 878

....on e-Bay.

http://www.ebay.co.uk/itm/111391712679?ssPageName=STRK:MESELX:IT&_trksid=p3984.m1586.l2649
http://www.ebay.co.uk/itm/111391712679?ssPageName=STRK:MESELX:IT&_trksid=p3984.m1586.l2649

879. Re: [Lowe_Receivers] Lowe HF-150 For Sale

Yahoo group: Lowe_Receivers
Date: 2014-06-29 19:28:20 UTC
From: Paul Jinks
Topic: 878 Message: 879

There was also a PR150 Preselector on offer by same person, that I was bidding on, but was withdrawn from auction with no reason given.

881. Memory failure

Yahoo group: Lowe_Receivers
Date: 2014-08-12 09:14:04 UTC
From: alelcoate@...
Topic: 881 Message: 881

Just picked up a HF-225 which doesn't retain frequency on switch off and won't hold any memory details. Running diagnostics gives an error message on test.

The backup battery had all of 0.3V so removed and installed a 2 x AAA cell holder replacement (for ease of future battery renewal) but to no avail.

I now suspect that Q204 has failed and, if I can source a 5101P chip, would like to know how easy is it to replace the existing memory chip?

Has anyone done this and can give me any tips or ideas for other possible causes?

Thanks

Alan

882. Re: [Lowe_Receivers] Memory failure

Yahoo group: Lowe_Receivers
Date: 2014-08-12 14:56:59 UTC
From: F CASTLE
Topic: 881 Message: 882

Alan

The 5101P is EXTREMELY sensitive to ESD and is easily destroyed even by a non ESD soldering iron.
When removing the discharged lithium cell great care should be taken to protect the chip from ESD and transient voltages. Sadly you likely killed the chip when fitting your battery holder or inserting the batteries into it. A PCB mount lithium cell is my recommended replacement for the original, nothing more exotic.

The 5101P is a rare chip these days but is common in video gaming machines from the 1980's.. As such I was able to buy one from an arcade game repair web site in the USA. Treat the new chip with the utmost of care or you will destroy it upon installation. It is likely to be quite an expensive chip due to rarity. I know of no drop in alternative.

Fraser

From: "alelcoate@... [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers@yahoogroups.com
Sent: Tuesday, 12 August 2014, 10:14
Subject: [Lowe_Receivers] Memory failure

Just picked up a HF-225 which doesn't retain frequency on switch off and won't hold any memory details. Running diagnostics gives an error message on test.
The backup battery had all of 0.3V so removed and installed a 2 x AAA cell holder replacement (for ease of future battery renewal) but to no avail.
I now suspect that Q204 has failed and, if I can source a 5101P chip, would like to know how easy is it to replace the existing memory chip?
Has anyone done this and can give me any tips or ideas for other possible causes?
Thanks
Alan

883. Re: [Lowe_Receivers] Memory failure

Yahoo group: Lowe_Receivers
Date: 2014-08-12 15:47:07 UTC
From: crabtreejr@...
Topic: 881 Message: 883

Hello Alan

There are 5101 RAM adapter kits here in the USA. Do a Google search on:
5101 ram adapter

You will learn much by reading many of these pages carefully. I would look for a NVRAM solution, and get rid of the battery. I have not looked to see if an adapter board would fit. Nor have I looked at the circuitry.

You are on your own on this one.

Please let us know how you get on.

73 John KC0G

-----Original Message-----
From: F CASTLE fraser.castle@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Tue, Aug 12, 2014 9:59 am
Subject: Re: [Lowe_Receivers] Memory failure

Alan

The 5101P is EXTREMELY sensitive to ESD and is easily destroyed even by a non ESD soldering iron.
When removing the discharged lithium cell great care should be taken to protect the chip from ESD and transient voltages. Sadly you likely killed the chip when fitting your battery holder or inserting the batteries into it. A PCB mount lithium cell is my recommended replacement for the original, nothing more exotic.

The 5101P is a rare chip these days but is common in video gaming machines from the 1980's.. As such I was able to buy one from an arcade game repair web site in the USA. Treat the new chip with the utmost of care or you will destroy it upon installation. It is likely to be quite an expensive chip due to rarity. I know of no drop in alternative.

Fraser

From: "alelcoate@... [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers@yahoogroups.com
Sent: Tuesday, 12 August 2014, 10:14
Subject: [Lowe_Receivers] Memory failure

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The backup battery had all of 0.3V so removed and installed a 2 x AAA cell holder replacement (for ease of future battery renewal) but to no avail.

I now suspect that Q204 has failed and, if I can source a 5101P chip, would like to know how easy is it to replace the existing memory chip?

Has anyone done this and can give me any tips or ideas for other possible causes?

Thanks

Alan

884. HF225 Tuning Problem

Yahoo group: Lowe_Receivers
Date: 2014-08-14 15:01:56 UTC
From: g0mji@...
Topic: 884 Message: 884

Forgive me reposting about this issue but as a newbie on here I have read everything but am still not certain I have the correct tree to bark up. Basically I have owned my 225 for many years, many of which it has sat in its box in a warm cupboard. After a shack clear out I decided to try it again. On the first day all was fine. I listened to a few qsos on 40m then left it tunes to the test match.

A couple of days ago it turned on okay and, apparently tuned, but no stations were received. I discovered if I moved the dial a few degrees back and forth I could eventually resolve powerful local broadcast stations. I used these because obviously they can be relied upon to be on air on the correct frequency.

A posted a video here to illustrate the problem.

HF225 Fault https://www.youtube.com/watch?v=DTToj-0Rtz8

https://www.youtube.com/watch?v=DTToj-0Rtz8

HF225 Fault https://www.youtube.com/watch?v=DTToj-0Rtz8 My HF225 developed this fault. The dial tunes but the radio does not... sometimes it is possible to move the dial to receive something. It was attached to 40...

View on www.youtube.com https://www.youtube.com/watch?v=DTToj-0Rtz8
Preview by Yahoo

My initial thought was the tuning encoder had gone on the blink. However, the frequency changes as it should, so I am not so sure. Perhaps someone could take a look at the video and suggest a diagnosis.

Cheers.

Bri

885. Re: HF225 Tuning Problem

Yahoo group: Lowe_Receivers
Date: 2014-08-14 15:09:35 UTC
From: g0mji@...
Topic: 884 Message: 885

Also here: HF225 Fault (2) https://www.youtube.com/watch?v=vPX7ltsdMDs

https://www.youtube.com/watch?v=vPX7ltsdMDs

HF225 Fault (2) https://www.youtube.com/watch?v=vPX7ltsdMDs Second video illustrating tuning fault. Encoder? G0MJI

View on www.youtube.com https://www.youtube.com/watch?v=vPX7ltsdMDs
Preview by Yahoo

886. Re: [Lowe_Receivers] Memory failure

Yahoo group: Lowe_Receivers
Date: 2014-08-14 15:25:49 UTC
From: alelcoate@...
Topic: 881 Message: 886

Thanks for the info re NVRAM replacements. I've ordered one and will eventually try and fit it as a replacement for the 5101P chip. It'll be a nice exercise for the darker nights and, if it doesn't work, will make no difference to the working of the radio and I'll have had a learning experience.
I'll repost after attempting this repair.

Alan

887. Re: [Lowe_Receivers] Re: HF225 Tuning Problem

Yahoo group: Lowe_Receivers
Date: 2014-08-14 15:33:49 UTC
From: crabtreejr@...
Topic: 884 Message: 887

Hello Bri

I watched both video clips. It seems to me that you are having trouble tuning to signals which you know to be there. It might be that the PLL is not locking reliably. A frequency check check on the local oscillator output, TP3, might be very revealing.

I have (very) vague recollections that there has been the odd problem with the range switching of the VCO.

Good luck and 73

John KC0G

-----Original Message-----
From: g0mji@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Thu, Aug 14, 2014 10:09 am
Subject: [Lowe_Receivers] Re: HF225 Tuning Problem

Also here: HF225 Fault (2)

HF225 Fault (2)
Second video illustrating tuning fault. Encoder? G0MJI

View on www.youtube.com

Preview by Yahoo

888. Re: [Lowe_Receivers] Re: HF225 Tuning Problem

Yahoo group: Lowe_Receivers
Date: 2014-08-14 15:51:15 UTC
From: g0mji@...
Topic: 884 Message: 888

Hi John.
Thank you for the reply. I do have the service manual so I can do this. Does this suggest the encoder is okay then? If so I can move on to other suspects. The inside of the radio is like new, I do not remember ever having to remove the lid before. However it is getting on a bit so I suppose problems are to be expected...

Bri

889. Re: [Lowe_Receivers] Re: HF225 Tuning Problem

Yahoo group: Lowe_Receivers
Date: 2014-08-15 18:01:52 UTC
From: crabtreejr@...
Topic: 884 Message: 889

Hello Bri

Thinking back to the videos, I do not recall seeing the frequency display jump about as you were tuning., ie caused by a string of pulses coming off the encoder There is a capacitor in each of the input circuits from the encoder. My guess is that the problem is unlikely to be the encoder. Did I also notice clicks when you turned the tuning knob? I don't think that it should do that.

HTH and 73 John

-----Original Message-----
From: g0mji@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Thu, Aug 14, 2014 10:51 am
Subject: Re: [Lowe_Receivers] Re: HF225 Tuning Problem

Hi John.

Thank you for the reply. I do have the service manual so I can do this. Does this suggest the encoder is okay then? If so I can move on to other suspects. The inside of the radio is like new, I do not remember ever having to remove the lid before. However it is getting on a bit so I suppose problems are to be expected...

Bri

Posted by: g0mji@rocketmail.com

Reply via web post

•

Reply to sender

•

Reply to group

•

Start a New Topic

•

Messages in this topic (4)

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890. Re: [Lowe_Receivers] Re: HF225 Tuning Problem

Yahoo group: Lowe_Receivers
Date: 2014-08-15 19:29:48 UTC
From: g0mji@...
Topic: 884 Message: 890

Hi John.
Yes the frequency display tunes very smoothly, no jumping of digits at all, to the eye all appears normal. Not so to the ear, or the signal meter. There are sounds as though the radio moves in and out of 'tune' as the dial is turned. These sound like clicks. I think they are bursts of reception. As though there are very tiny fractions of a degree where it kicks into life as the tuning dial is rotated - exactly as in the video when an 'active' position is located. The signals in the video are several khz wide and should be received right through the width of the transmission.

I removed and cleaned the encoder, no change though...

Bri

892. Re: [Lowe_Receivers] Re: HF225 Tuning Problem

Yahoo group: Lowe_Receivers
Date: 2014-08-21 11:39:17 UTC
From: g0mji@...
Topic: 884 Message: 892

Hi John.
I installed a temporary encoder and all (apparently) worked well. It looked like it was the problem. However, success was short lived as after posting a video of it working the old problem returned. So it looks like you are correct and it is not the encoder. At least that is progress :-)

There is some intermittent fault somewhere.

Back to the circuit boards...

Bri

893. How to clean PR-150 switches?

Yahoo group: Lowe_Receivers
Date: 2014-08-21 18:13:45 UTC
From: JRTOW3RD@...
Topic: 893 Message: 893

I bought the last new HF/PR-150 pair I could find from EEB in VA some fifteen years ago. I couldn't use my DX rigs, my much modified NRD-525 and R8, due to the recurrence - with a vengeance - of my power line QRM. I wanted something to use on vacations - and my ICF-2010 was ailing. I cleaned my desk off except for the new Lowe pair - and a Minimus 7 speaker. My huge antennas were down - I was down to a wire from a tree back to the eave and matched via a 10:1 UN-UN to some RG-58 to the desk. It was the best s/n I could muster - then (I moved to a garden home with subsurface utilities last summer.). The new Lowe pair was fun to use.

Skip ahead to my move last summer - and the PR-150's increasingly touchy pushbutton switches. My home was dusty - I had a woodwork shop in the basement. No room for such here - and a resurgence of my asthma partially dictated the move - less the wood shop. Despite a dust collection system, huge air filter, and bag-type HVAC filter, the dust permeated everything. I blew out the switches with air, but they may need more help, as I am tired of trying to find the 'sweet spot' (... especially of the 'PreAmp' switch.)! What's a safe spray cleaner to spritz the switches with? I tried some commercial aerosol contact cleaner on a junk keyboard some years ago - it's solvent base solidified the keys! Any suggestions would be appreciated - even the dreaded fact that the switch contacts may just be at the end of their service life... Thanks!

John

894. Some some unusual Lowe stuff for sale

Yahoo group: Lowe_Receivers
Date: 2014-10-09 19:25:15 UTC
From: antoni@...
Topic: 894 Message: 894

I've ended up with lots of Lowe receiver parts and PCBAs as well as my own Lowe HF receivers. Been busy over the last few days and am offering:

An ordinary HF-125 which I can't find a top cover for - it has a bottom cover on its top and therefore doesn't have its own speaker. This unit was used for production testing keypad hardware (hence no top I suppose!). With FM/AMS detector and internal interface PCBA option to allow connection of a keypad ('125s needed that as part of the keypad option but '225s had that hardware as standard). Keypad not included.

The first Lowe HF-225 pre-production prototype made up from a very heavily modified HF125 PCB. Looks like a '225 from the outside but has a '125 back panel. Labelled PRE 1.

The first and ordinary looking true HF-225 using prototype un-solder-resisted production main and control PCBAs, with a few modifications (internally labelled PRE-2). With D-225 detector and whip amp PCBA.

An HF-150.

Another HF-150 in the red C-150 soft "camera bag" with manual, Lowe 240 volt PS-12 psu, cigar plug car psu lead, manual, K-225 keypad, long PL-259 terminated telescopic whip.

HF-150 main and control PCBAs working happily together as a radio but with no knobs or case-work at all. Do you have a battery electrolyte damaged radio...?

An HF-250E which has D-250 detector and whip amp PCBA and manual.

A D-225 FM / AM synchronous detector unit aligned and tested.

A lot of spares - mostly useless but including a few origial Alps encoders, PR-150 and AP-150 switches and '150 painted windows.

The working electronics of a keypad.

All of the above radios are aligned and fully serviceable.

I have an incomplete and un-assembled AP-150 project, the electronics are there but never assembled or tested

Phone me if you are interested in any of it on 01623 812455. I'm sorry to say that I won't get involved in trying to ship any of this stuff out of the UK yet. The evil bay may see this lot in the future but not yet!

Tony Mikol.

895. I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-10-30 10:58:14 UTC
From: JRTOW3RD@...
Topic: 895 Message: 895

I settled on the Infinity Primus P143, the huge/heavy P163's finally being deemed as 'too much' (... and having been lost to another room's stereo!). I finally bought a total of four P143's - for as low as $35/ea shipped. They work great. I had a few dollars left from my radio money - from an outbid on Evil-bay - so I ordered a JBL LSR305 powered studio monitor and some audio cables - $150 shipped. This is it! The bi-amped monitor has a separate 40 Watt RMS amp for each driver, a 1 in dome driver in a horn and a 5" driver for the low/mid frequencies. The P143 is fine for listening and DXing, while the powered monitor is great for easy listening - from the other side of the room. No sweet spots either - the higher frequencies are easily heard off-axis. Great for R. Australia 9,580 kHz and clear channel WLW 700 kHz alike. I am happy - and broke.

Oh... 'studio monitors' don't have grilles - be careful unpacking and setting up. Also, leave it away from a wall - and where you can get around to the back mounted gain control. It's also rear ported - and has controls to tailor it's response to the room. Check local music and guitar stores for stock, too.

John

896. Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-10-30 14:23:34 UTC
From: dx@...
Topic: 895 Message: 896

Hi John,

That wasn't a HF-150 you were outbid on the 'Bay, was it? Because I won a HF-150 there a couple days ago for a below average price :^)

Thanks for the Primus speaker recommendation. I'm looking for a good speaker about that size, to hook up to a HF-225.

Guy Atkins
Puyallup, WA

---In Lowe_Receivers@yahoogroups.com, <JRTOW3RD@...> wrote :

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John

897. Re: Some some unusual Lowe stuff for sale

Yahoo group: Lowe_Receivers
Date: 2014-10-30 17:57:11 UTC
From: dx@...
Topic: 894 Message: 897

Hi Tony,

If you'd consider shipping one of the HF-150 painted windows to the States, I'm a willing buyer! Since it is so small and lightweight I'd think it would not be a problem to ship to the U.S. I would appreciate it very much. Alternatively, I'd be fine with using a UK mail forwarding service (Skypax). That way you won't have to manage any customs forms.

Thanks & 73,

Guy

---In Lowe_Receivers@yahoogroups.com, <antoni@...> wrote :

I've ended up with lots of Lowe receiver parts and PCBAs as well as my own Lowe HF receivers. Been busy over the last few days and am offering:

An ordinary HF-125 which I can't find a top cover for - it has a bottom cover on its top and therefore doesn't have its own speaker. This unit was used for production testing keypad hardware (hence no top I suppose!). With FM/AMS detector and internal interface PCBA option to allow connection of a keypad ('125s needed that as part of the keypad option but '225s had that hardware as standard). Keypad not included.

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Tony Mikol.

898. Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-10-30 22:48:02 UTC
From: JRTOW3RD@...
Topic: 895 Message: 898

Sorry, Guy, but my missed bid was on an SPR4 with ten extra crystals. In a 'senior moment', forgetting that I sold my SPR4/AL4 combo most of three decades ago - and for good reason - I bid on it. I was relieved in the last seconds as several higher bids bumped me - it sold for a C-note more than my bid limit.

I bought my HF-150 & PR-150, both new and with their service manuals, from EEB - the last of their stock - over fifteen years ago. Delightful radio - you'll love it. Only improvement would be better IF filters. Super audio - ASF mode offsets the carrier slightly in the 7 kHz BW - yielding a vestigial sideband for DSB AM-Sync reception and better audio treble response and lower distortion. It and the HF-225 (I finally bought mine - with AM-S - last fall.) have the same audio output chip and components - may be why they sound so good. The Infinity P143 sounds a major step better than my old Optimus 7 on either receiver. The JBL powered monitor is another step better, however. I replied this AM, but it never ran - we'll see if this reply makes it. Enjoy your HF-150!

John

899. Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-10-31 05:17:21 UTC
From: dx@...
Topic: 895 Message: 899

Hi John,

Well, I'm glad it wasn't that HF-150 you were bidding on :^) Sorry you didn't get that SPR4 with the crystals though.

The HF-150 arrived today... looks in very nice shape physically. I think it may have the blown mixer chip problem, but I suspected as much. I already have the Plessey IC on order from an Ebay-UK seller. Sensitivity is non-existent to weak (but better on VERY strong signals), and sometimes there's hiss with scrap of audio, and other times there's no sound at all unless I power it down and restart.

I wonder if the fact I'm getting ANY signals means the mixer is still working, or can it be bad but still pass the strongest stations?

Anyway, I look forward to the hunt of troubleshooting.

73,

Guy Atkins
Puyallup, WA

---In Lowe_Receivers@yahoogroups.com, <JRTOW3RD@...> wrote :

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John

900. Re: Some some unusual Lowe stuff for sale

Yahoo group: Lowe_Receivers
Date: 2014-10-31 09:32:27 UTC
From: antoni@...
Topic: 894 Message: 900

Hello Guy, I can't see how to send a PM and I can't see how to correct the now defunct e-mail address ascociated with this Yahoo account, g4zre@talktalk.net will find me. I have 3 unspoken for '150 windows. E-mail me.

Anyone interested in a black painted aluminium prototype 19" rack mount HF-150 case (and knobs) to go with the bareboards I mentioned earlier? I had a go at making the two into a radio but I felt life was too short to get the '150's push buttons not to foul the case. Years ago I had the thought of adding a homebrew transmitter into the case using the synthesiser of the '150 plus a 45 MHZ oscillator....

This is shameless selling on what is supposed to be a support group. In my defence your Honours I have made efforts to help others in the past...

Currently looking into working at Savox in Lincoln Nebraska for 18 months.

Antoni

901. Re: Some some unusual Lowe stuff for sale

Yahoo group: Lowe_Receivers
Date: 2014-10-31 09:36:38 UTC
From: antoni@...
Topic: 894 Message: 901

Yahoo annoys

.....talktalk net

902. Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-10-31 10:06:06 UTC
From: JRTOW3RD@...
Topic: 895 Message: 902

Hello, Guy!

Sorry to hear about your HF-150 woes. I wonder if it's problem might just be a bad or very dirty WHIP/NORM/ATTEN switch on the back panel? They used a cheesy switch... mine needs to be wiggled to change settings, so I leave it in NORM most of the time. If a ham owned it, there is the increased likelihood of a fried jFET whip amp, too. I keep the PR-150 connected most of the time - and feed the Pixel loop through it. It's pushbutton switches are dirty - I still need a safe and effective cleaner spray suggestion for them.

The SPR4 bid was regretted the instant I made it - I felt relief when I was outbid... okay, the radio-glutton in me may have been a teeny bit sad... Seriously, with my knob-twisting/band-scanning, I doubted the longevity of Drake's PTO three decades when I had and used my SPR4 regularly - it was certainly no Collins! Speaking of Collins... spinning the R390A's knobs for years undoubtedly added to my CTS woes. The HF-150 does have a great knob 'feel' - and apparently a decent encoder. My R30A feels like a toy in comparison. Sadly, the 150's knob won't fit the 225's encoder shaft properly (Actually, after a year of owning & using a 225, I've become accustomed to it's tuning nuances. Congrats agai - and good luck with your 150!

John

904. Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-10-31 20:02:12 UTC
From: dx@...
Topic: 895 Message: 904

The WHIP/NORM/ATTN switch seems just fine, and appear to work like their ought to. It's just that the sensitivity overal is *extremely* poor. On the strongest signals (which are the only ones audible), I notice an attenuation affect at the ATTN position; and the signal strength is definitely boosted at WHIP position. In fact, WHIP is the only setting, using my outdoor antennas, where I can get anything close to decent audio with the very strongest of signals! It seems highly likely this HF-150 has the common mixer problem.

Hopefully the Plessey chip will make it across the pond by the end of next week, and I'll try the repair. I may put in a socket first, in case it happens again.

Does the mixer in these rigs get zapped from static at the antenna input, or from simply too much signal?

When this HF-150 is up and running, I'm looking forward to comparing it to its big brother HF-225 in the shack. I'm definitely in a "retro British radio" mode these days, and not using my SDRs too much! The SDRs have amazing tools for digging out DX, but sometimes they seem "soulless". After decades of DXing, I find myself reacquiring radios I've enjoyed most in years past... it's a nostalgia thing I guess.

Guy

---In Lowe_Receivers@yahoogroups.com, <JRTOW3RD@...> wrote :

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John

905. Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-11-01 10:45:03 UTC
From: antoni@...
Topic: 895 Message: 905

What usually does for the D1 diode in the '225 and the first mixer Q22 in the '150 is a nearby elecrical storm. It doesn't have to be all that close either.

If you always disconnect your antenna before things get hairy, and always disconnect if you leave the house for a few days the radios won't fail.

Obviously if you have an HF transmitting station the Lowe antenna should be disconnected then too.

The pcb holes for the mixer pins can be difficult to clear. It will need perseverence with solder wick or care with a solder sucker. If you can't clear a hole of solder, put some more in and try again.

It's quite acceptable to cut the old chip out leaving the stubs of its pins in, and solder the new chip on top. This almost as good as a socket because a replacement chip can be replaced again easily.

I wouldn't bother with a socket.

906. Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-11-01 12:34:29 UTC
From: JRTOW3RD@...
Topic: 895 Message: 906

I was listening to CFRX (6070) moments ago on my 225 using AM-S and the 10 kHz BW with my new JBL monitor speaker, when it dawned on me. My 150 has had one minor fault since I bought it new over fifteen years ago - and that was despite it's heavy usage (Clearly, it's my favorite receiver - even on vacation - it edges out my Sony 2010!). That fault was a microphonic Lowe AC supply - a cold solder joint on it's internal 12V 3-terminal regulator. Then I recalled the 150 had a non-3-terminal VR on it's +8V supply rail for those Plessey comm chips. Check TP5 for the +8V regulator output. If it's low, check your input voltage - they need ~10.8V or more for reliable operation. I am just trying to save those hard-to-find Plessey chips.

My 150 sounds great on ASF through that JBL powered monitor speaker. It's good to hear CFRX again, too.

John

907. Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-11-01 18:43:49 UTC
From: dx@...
Topic: 895 Message: 907

Hi John,

CFRX is the Toronto outlet, correct? I'm not sure I've heard them before out here on the West Coast USA. I'll bet that's still a decent catch for you in Alabama, as they are just 1 kw. I can hear Vancouver on 6160 most hours of the day; I can often note them parallel to 590 Vancouver.

As I type I'm enjoying R. Tanzania-Zanzibar on 11735. It's a bit warbly due to the signal coming over the pole, but quite strong. RTZ's music sounds great on the HF-225.

Thank you for the tip to check the TP5 point to verify correct voltage for the mixer! Better to find that out before destroying what may be a perfectly good chip.

Antoni, thanks for your input also. That was my plan, to clip away the pins first for desoldering. I'm used to working with plated through holes and multi-layer boards that tend to "sink" a lot of heat, making component removal difficult. At least I can see these parts easily; SMDs on other receivers always require me to wear a magnifier headband.

73, Guy

---In Lowe_Receivers@yahoogroups.com, <JRTOW3RD@...> wrote :

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John

908. Re: [Lowe_Receivers] Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-11-01 23:08:14 UTC
From: Dan Robinson
Topic: 895 Message: 908

Found this discussion interesting -- I have had a 225 Europa for a couple of years and love it. Sensitive, quiet and I sold a HF-250E to get it. I found the 250E ergonomically cumbersome, with crazy carousel controls. I managed to snare an original q

> On Nov 1, 2014, at 2:43 PM, "dx@guyatkins.com [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com> wrote:
>
>
> Hi John,
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> CFRX is the Toronto outlet, correct? I'm not sure I've heard them before out here on the West Coast USA. I'll bet that's still a decent catch for you in Alabama, as they are just 1 kw. I can hear Vancouver on 6160 most hours of the day; I can often note them parallel to 590 Vancouver.
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909. Re: [Lowe_Receivers] Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-11-02 01:25:50 UTC
From: Dan Robinson
Topic: 895 Message: 909

....meant to say -- original leather case.

Daniel A. Robinson

> On Nov 1, 2014, at 7:08 PM, "Dan Robinson darobin12001@... [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com> wrote:
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Yahoo group: Lowe_Receivers
Date: 2014-11-02 07:08:03 UTC
From: dx@...
Topic: 895 Message: 911

John,

I checked TP5 on the board and found 7.94V, so it looks like the VR is working. Next step is to swap the Plessey mixer chip when it arrives.

Thanks for the tip of checking the voltage however.

73, Guy

---In Lowe_Receivers@yahoogroups.com, <JRTOW3RD@...> wrote :

I was listening to CFRX (6070) moments ago on my 225 using AM-S and the 10 kHz BW with my new JBL monitor speaker, when it dawned on me. My 150 has had one minor fault since I bought it new over fifteen years ago - and that was despite it's heavy usage (Clearly, it's my favorite receiver - even on vacation - it edges out my Sony 2010!). That fault was a microphonic Lowe AC supply - a cold solder joint on it's internal 12V 3-terminal regulator. Then I recalled the 150 had a non-3-terminal VR on it's +8V supply rail for those Plessey comm chips. Check TP5 for the +8V regulator output. If it's low, check your input voltage - they need ~10.8V or more for reliable operation. I am just trying to save those hard-to-find Plessey chips.

My 150 sounds great on ASF through that JBL powered monitor speaker. It's good to hear CFRX again, too.

John

912. Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-11-02 16:02:15 UTC
From: JRTOW3RD@...
Topic: 895 Message: 912

Guy,

Only a few of the original 49mb Canadian stations, limited to a kW or less, still exist. Supposedly, the pair on 6,160 kHz, your station and a Newfie, I think, persist. I remember perfect conditions - and an early ABC sign-off - one July night - over three decades ago - when I finally received CKFX 6080 kHz (10 Watts!). Their's was my eighth low power Canadian SWBC QSL, earning me NASWA's 'Maple Leaf DXer' award that summer. I got them on my R390A and 150 ft lw... even my powerline EMI was gone that night. Ahhh, QSL-chasing!

For fine soldering/desoldering, I finally replaced my antique Ungar pencils with a Hako 636. I've also started using dollar store reading glasses, from +2.5 to +4.0 Diopter, and a headband LED light (I use a Surefire 'Minimus'.).

I had to use that combo to hook up my HF-150 - with 8 new AA's - to a new/spare Infinity P363 40" tall tower speaker in my 'great room'. Using a Grundig AN-200 tunable AM loop (Radio Shack $15 closeout goodie from a few years back.), local 1320 WENN, alternating oldies/current music, is fine with the audio pot at 12 o'clock - normal listening level (ASF mode.). Stand in front of the speaker and feel the bass! the 150 looks small atop that speaker. Ultimate speaker for my Lowe? Speaker absurdum ad infinitum!! Hmmm, that might be reserved for a $4,500 Klipschorn... (It would be more efficient!).

Keep us informed re your 150's repair progress.

John

913. Re: [Lowe_Receivers] Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2014-11-04 07:53:01 UTC
From: antoni@...
Topic: 895 Message: 913

An original leather case? Was it made by Lowe? Could you still describe it?

And yes I would agree that the HF-225E is a better design overall than the '250E.

914. HF-150 Repair Update

Yahoo group: Lowe_Receivers
Date: 2014-11-06 18:29:24 UTC
From: dx@...
Topic: 914 Message: 914

To follow up on my earlier messages about my ailing HF-150, I now have it working well, and the first mixer chip was indeed at fault. The radio seems sensitive and selective with the great audio these radios are known for.

I was surprised at how well the HF-150 handles my nearby 1 kW powerhouse on 1450 medium wave. It registers about -30 to -25 dBm on a Perseus SDR (depending on antenna used), but the HF-150 copes well, and I can tune in distant signals on 1440 and 1460 by using LSB and USB.

However I do note that the lock range for all the synchronous AM modes is towards the extreme lower end of each single kHz digit. That is, I have to tune downwards considerably to achieve sync lock, just a whisker before the radio tunes to the next lowest digit.

Can I make a "quick and dirty" adjustment on a stable, known accurate signal to center the lock range closer to optimum? For instance, it would make Seattle's KOMO 1000 have its lock range centered around 1000.5 kHz, rather than what I estimate the range's HIGH end currently at approx. 1000.05 kHz.

I have the HF-150 Technical Manual at hand. Would TC2 (hetrodyne osc.) be the correct point to adjust this? I have an audio frequency counter to use if needed, but right now an approximate recentering of the lock range would be fine.

73,

Guy Atkins
Puyallup, WA USA

915. Re: HF-150 Repair Update

Yahoo group: Lowe_Receivers
Date: 2014-11-07 06:48:39 UTC
From: antoni@...
Topic: 914 Message: 915

On all the Lowe receivers the correct lock range of a signal on 198 kHz would be symetrical either side of the 197/198 boundary. Over time the radios do drift a bit and it can be annoying when the direction of drift causes a locked signal to be displayed on the 1 kHz below but that's just how they are.

916. Re: [Lowe_Receivers] Re: HF-150 Repair Update

Yahoo group: Lowe_Receivers
Date: 2014-11-07 07:48:16 UTC
From: Guy Atkins
Topic: 914 Message: 916

Thanks Antoni! I guess the radio is just fine in this regard, then. I appreciate your comments. In no case does the locked signal display 1 kHz below, so all must be well for the sync functions.

Just this evening though i came up with another problem; the HF-150 suddenly stopped receiving in the upper frequency range. Typically it seems to go dead quiet when I tune past approx. 13.7 MHz, but other times it happens in the 25 meter band (the tech manual says the VCO switch-over frequency is 11.576 MHz). Reception below this range continues to be A-OK. As best as I can determine the trouble is likely pin switching diode D5. I pulled it from the PCB and it measures fine with a diode check (open circuit one direction; 0.774V voltage drop the other way). However, I understand these can become "lossy" and not function properly.

Is there any other nearby VCO component I should suspect?

I have a packet of BA224S diodes that should be here early next week; hopefully this small part D5 is the culprit.

Guy

On Thu, Nov 6, 2014 at 10:48 PM, antoni@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> On all the Lowe receivers the correct lock range of a signal on 198 kHz
> would be symetrical either side of the 197/198 boundary. Over time the
> radios do drift a bit and it can be annoying when the direction of drift
> causes a locked signal to be displayed on the 1 kHz below but that's just
> how they are.
>
>

918. Re: [Lowe_Receivers] Re: HF-150 Repair Update

Yahoo group: Lowe_Receivers
Date: 2014-11-07 09:55:50 UTC
From: antoni@...
Topic: 914 Message: 918

Its an increasinly long time since I was fully familliar with the receivers. The diodes used for VCO range switching did cause problems. An easy way to verify a lossy diode (one with a soft knee) is to short-circuit it with a wire link.

When the suspect switching diode is 'in use' it will have only ~0.7 Volts accross it. The rest will have more. If the radio does not work when that range switching diode is in use, try linking it.

919. Re: [Lowe_Receivers] Re: HF-150 Repair Update

Yahoo group: Lowe_Receivers
Date: 2014-11-07 15:14:17 UTC
From: dx@...
Topic: 914 Message: 919

OK, thank you. Hopefully I am on the right track because I thought of the linking test also, and tried it after the problem cropped up, A brief linking / short circuit did indeed cause the radio to switch properly to the upper half of HF.

Guy

---In Lowe_Receivers@yahoogroups.com, <antoni@...> wrote :

Its an increasinly long time since I was fully familliar with the receivers. The diodes used for VCO range switching did cause problems. An easy way to verify a lossy diode (one with a soft knee) is to short-circuit it with a wire link.

When the suspect switching diode is 'in use' it will have only ~0.7 Volts accross it. The rest will have more. If the radio does not work when that range switching diode is in use, try linking it.

920. FM detectors for HF-225 / HF235

Yahoo group: Lowe_Receivers
Date: 2014-11-11 14:03:18 UTC
From: antoni@...
Topic: 920 Message: 920

More shameless selling: I have a box of D-250 detectors. These can be modded to D-225 for sync AM but you would need to source resonators zeners varicap and other bits. Forget it.

Recently realised that they do still work as FM detectors!

So if any forum members want one I'll ship it UK for £10 delivered. I put them on evil bay for more. Outside the UK will depend what it costs for the shipping.

Don't know what's involved in fitting one to a '250. Best not bother. FWIW they use an SL6440 mixer. My PM e-mail is wrong but contact details are a few posts down.

921. HF-225 repair advice - how to get to the BPF diodes?

Yahoo group: Lowe_Receivers
Date: 2014-11-24 11:44:54 UTC
From: pa3ecn@...
Topic: 921 Message: 921

Hello All,

had the chance to buy a HF-225 receiver with a defect at our local club sales. I have read several websites about this receiver and the symptoms - no reception below 16 MHz indicate problems with BPF switching diodes. I removed the top cover and I see two metallic enclosures. I think I can find the diodes in there.
If anyone can share experience on how to get into these metallic enclosures or how to solve this problem I would really appreciate that.
On one of the boxes I see solder on 4 points attaching it to the main PCB. The other one is die-cast.
Any advice is appreciated!

Thanks,

Eric - PA3ECN

922. Re: [Lowe_Receivers] HF-225 repair advice - how to get to the BPF diodes?

Yahoo group: Lowe_Receivers
Date: 2014-11-24 19:09:52 UTC
From: Eric Vink
Topic: 921 Message: 922

Hello All,
there was no reaction on my previous email but I went ahead. The die cast enclosure can be opened by unscrewing it from the bottom - 4 screws. The die-cast box holds the VCO.The metallic enclosure soldered on 4 spots to the PCB holds the BPF filters. As it turned out diode D1 was defective. I unsoldered one end of the diode and the receiver came back to life on the frequencies below 15 MHz. No further diodes needed to be replaced. After replacing the diode I tested the receiver just to make sure no further diodes needed to be replaced.So after this repair I am an happy owner of this nice receiver!

73 - EricPA3ECN

On Monday, 24 November 2014, 12:44, "pa3ecn@... [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com> wrote:

  Hello All,

had the chance to buy a HF-225 receiver with a defect at our local club sales. I have read several websites about this receiver and the symptoms - no reception below 16 MHz indicate problems with BPF switching diodes. I removed the top cover and I see two metallic enclosures. I think I can find the diodes in there.
If anyone can share experience on how to get into these metallic enclosures or how to solve this problem I would really appreciate that.
On one of the boxes I see solder on 4 points attaching it to the main PCB. The other one is die-cast.
Any advice is appreciated!

Thanks,

Eric - PA3ECN

<!--

923. Re: [Lowe_Receivers] HF-225 repair advice - how to get to the BPF diodes?

Yahoo group: Lowe_Receivers
Date: 2014-11-24 19:17:30 UTC
From: marcobisceglie
Topic: 921 Message: 923

Well done!!! enjoy your "new" receiver and good DX!
----- Original Message -----
From: Eric Vink pa3ecn@... [Lowe_Receivers]
To: Lowe_Receivers@yahoogroups.com
Sent: Monday, November 24, 2014 8:09 PM
Subject: Re: [Lowe_Receivers] HF-225 repair advice - how to get to the BPF diodes?

Hello All,

there was no reaction on my previous email but I went ahead. The die cast enclosure can be opened by unscrewing it from the bottom - 4 screws. The die-cast box holds the VCO.
The metallic enclosure soldered on 4 spots to the PCB holds the BPF filters. As it turned out diode D1 was defective. I unsoldered one end of the diode and the receiver came back to life on the frequencies below 15 MHz. No further diodes needed to be replaced. After replacing the diode I tested the receiver just to make sure no further diodes needed to be replaced.
So after this repair I am an happy owner of this nice receiver!

73 - Eric
PA3ECN

On Monday, 24 November 2014, 12:44, "pa3ecn@... [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com> wrote:

Hello All,

had the chance to buy a HF-225 receiver with a defect at our local club sales. I have read several websites about this receiver and the symptoms - no reception below 16 MHz indicate problems with BPF switching diodes. I removed the top cover and I see two metallic enclosures. I think I can find the diodes in there.
If anyone can share experience on how to get into these metallic enclosures or how to solve this problem I would really appreciate that.
On one of the boxes I see solder on 4 points attaching it to the main PCB. The other one is die-cast.
Any advice is appreciated!

Thanks,

Eric - PA3ECN

Questa e-mail è priva di virus e malware perché è attiva la protezione avast! Antivirus.
http://www.avast.com

924. Re: FM detectors for HF-225 / HF235

Yahoo group: Lowe_Receivers
Date: 2014-11-30 00:12:29 UTC
From: johnmblack@...
Topic: 920 Message: 924

any chance of a W-225?

regards,

John KB5AG

925. Re: FM detectors for HF-225 / HF235

Yahoo group: Lowe_Receivers
Date: 2014-12-03 17:35:15 UTC
From: antoni@...
Topic: 920 Message: 925

I do have one. It has some minor damage and a bodge to fix. Buggered if I can find it. Hence the delay.

926. Re: FM detectors for HF-225 / HF235

Yahoo group: Lowe_Receivers
Date: 2014-12-05 03:42:56 UTC
From: johnmblack@...
Topic: 920 Message: 926

Great! Take your time; one in any condition would be great!

John

927. Anyone running a HF-150 connected to a PC via IF-150?

Yahoo group: Lowe_Receivers
Date: 2014-12-08 18:51:39 UTC
From: rabej_de@...
Topic: 927 Message: 927

Hi list,

I am seeking help in testing a piece of software which I have written.
"Rx_Log_And_Tuner" is an MS-Excel-based application which enables the user to tune a radio receiver or SDR-software to a certain frequency by simply clicking on the appropriate value in a spreadsheet.

I have implemented support for a number of Receivers so far but since I don't own a HF-150, I would very much appreciate if someone with a HF-150 connected to a PC (via IF-150) running WIN and MS-Excel would be willing to assist in testing.

If you are interested, please contact me off-list at rabej_de(at)yahoo.de.

Thanks very much in advance.

73s

Joachim Rabe

Though originally developed to use NDB-data from Martin Francis' excellent website http://www.classaxe.com/dx/ndb/, "Rx_Log_And_Tuner" is not restricted to data solely from Rxx but can also make use of frequency-lists for SWLs such as EIBI, AOKI, EMWG, SWSKEDS etc.
It features a basic logbook which reads (if supported) the receivers VFO-frequency, the current mode of reception plus the S-meter setting and a scanner module.

The application was developed to give the user full access of any desired frequency list and to deliver intuitive operation.
It runs on MS-Excel 2003 and newer versions.

It will NOT run on any other spreadsheet application like “Open Office” etc.

If you want to give it a try, all you need is one of the following:

- A software like Simon Brown’s “SDR-Console” or HDSDR, which already talks to your radio or
- an SDR like "Perseus" or “ELAD FDM-S2”, which can be remotely controlled via a virtual COM-port or
- a standard radio receiver connected to your PC via a CAT-cable / physical COM-port or
- an internet connection to the UoT WebSDR

Right now, the following receivers / software packages are supported and can be remotely controlled:

- AOR AR-7030
- Drake R8
- ELAD FDM-S2
- R&S EKD890
- HDSDR
- ICOM R-75
- ICOM R-8500
- ICOM R-9000
- ICOM R-9500
- JRC NRD-535
- JRC NRD-545
- Lowe HF-150
- PERSEUS
- RFT EKD-500
- SDR-Console
- SDR♯
- TenTec Rx350
- UoT WebSDR
- WinRadio Excalibur / Pro
- Yaesu FRG-100

Other receivers can easily be added by the author or an experienced VBA-programmer, provided the CAT-command set is known and available.

Please note, that remote control is limited to

- setting the VFO-frequency
- reading the VFO-frequency (not for UoT WebSDR, Lowe HF-150)
- setting the current mode of operation (not for UoT WebSDR)
- reading the current mode of operation (not for UoT WebSDR, Lowe HF-150)
- reading the current S-meter level (not for UoT WebSDR and HDSDR, Drake R8, Lowe HF-150)

It comes with the following features:

- Receiver selection
- Logbook
- Quick-log columns in any list
- Program update notification
- Station-List-Update from Rxx, EIBI, AOKI, EMWG, SWSKEDS
- Update locations configurable
- Distance- and bearing - calculation from Rxx data and your maidenhead locator
- Three different scanner modes
- Open for virtually any other frequency list
- Perseus-like direct receiver control for VFO-frequency and mode
- "Beacon search" and "Reverse frequency search"

---

928. Re: [Lowe_Receivers] Anyone running a HF-150 connected to a PC via IF-150?

Yahoo group: Lowe_Receivers
Date: 2014-12-28 13:56:40 UTC
From: Paul Jinks
Topic: 927 Message: 928

Hi Joachim
May I ask if you have allowed for the fact most us would be communicating via a virtual com port using an USB to RS232 cable?
So an option to select from com1 through to com7 would be needed.
Though I am still using a serial port card also on my desktop but I use the above method on my laptop.
There have been many compatibility problems with these converter cables with various versions of windows.
I have also written such software but not via EXCEL. Your method has many advantages.
Some of us may be wondering if your software is safe to use as far as security goes since Excel macros can do almost anything if given permission to run.
-PAUL

929. AW: [Lowe_Receivers] Anyone running a HF-150 connected to a PC via IF-150?

Yahoo group: Lowe_Receivers
Date: 2014-12-28 14:47:28 UTC
From: Joachim Rabe
Topic: 927 Message: 929

Hi Paul,

let me start with your concern first:

I can imagine that some people may be afraid of my code doing something really bad to their PC.

BUT – this can also be done by any programmer coding in C++ or any other programming language PLUS the fact that if you can read VBA code, than you can inspect it yourself. Try that with a compiled program.

In addition – if you configure Excel to only run macros when allowed, you should be safe with any other Excel-stuff

Would you have any advice for me on how to assure people I am just sharing something I have built for myself?

OK, now for the technical stuff:

My code should work with any available COM-port, being either a physical or a logical/virtual port.

I've been using the program for quite a time together with my Perseus and an ELAD FDM-S2 using two virtual COM-Ports without any problems.

I don't restrict COM-ports to certain numbers but rather read any available port from the registry (HKEY_LOCAL_MACHINE, "HARDWARE\DEVICEMAP\SERIALCOMM") at startup.

However – I must admit that I have NOT tested my software with any USB-serial converter cable but, if the driver, that came with the cable, installs a virtual COM-port, I am pretty sure it will work.

If you want to give it a try, you can download the latest (bug-free) version from here : https://www.dropbox.com/s/4egoiqciecinb68/Rx_Log_And_Tuner_1.0.8.xls.zip?dl=0

I would strongly advise to read the manual before you start the program.

73s

Joachim Rabe
Norderstedt, Germany, JO53aq
Rx: JRC NRD-545, PERSEUS
Ant.: ALA100, HDLA-Loop, pa0rdt-MW, HDWA

Von: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Gesendet: Sonntag, 28. Dezember 2014 14:57
An: Lowe_Receivers@yahoogroups.com

Betreff: Re: [Lowe_Receivers] Anyone running a HF-150 connected to a PC via IF-150?

Hi Joachim
May I ask if you have allowed for the fact most us would be communicating via a virtual com port using an USB to RS232 cable?
So an option to select from com1 through to com7 would be needed.
Though I am still using a serial port card also on my desktop but I use the above method on my laptop.
There have been many compatibility problems with these converter cables with various versions of windows.
I have also written such software but not via EXCEL. Your method has many advantages.
Some of us may be wondering if your software is safe to use as far as security goes since Excel macros can do almost anything if given permission to run.
-PAUL

930. HF-125 Encoder

Yahoo group: Lowe_Receivers
Date: 2014-12-29 12:15:13 UTC
From: g1drp4567@...
Topic: 930 Message: 930

Hi All,

Does anyone know of a source for obtaining a replacement tuning encoder for my HF-125 please?

73,

Ian G1DRP

931. Re: AW: [Lowe_Receivers] Anyone running a HF-150 connected to a PC via IF-150?

Yahoo group: Lowe_Receivers
Date: 2015-01-03 11:08:24 UTC
From: Paul Jinks
Topic: 927 Message: 931

OK thanks Joachim

I will try later this month as I have many family commitments at the moment due to the illness of my daughter.
My computer and hobby room is now her bedroom so I cannot spend much time on my PC or radio.
Your method has good potential since a database of radio stations is simple to setup in EXCEL and if, as you say, this can be updated live then it sounds excellent.

Paul

932. Re: AW: [Lowe_Receivers] Anyone running a HF-150 connected to a PC via IF-150?

Yahoo group: Lowe_Receivers
Date: 2015-01-05 20:41:21 UTC
From: enriqueeeeee2001@...
Topic: 927 Message: 932

Hello,

Searching in my junk box I have found a 25 pin parallel port,male and female, has a cable with an external jack. I have never used it. On the body has a sticker that says: LOWE MODEMASTER Version 2.0.

It came with a second hand Lowe HF-150 that I use everyday.

If anybody is interested in this device, mail me off the list.

Also I have a Wellbrook ALA100HF antenna(special version) with its active interface for sale.

Best Regards

933. Problem with commands via IF-150

Yahoo group: Lowe_Receivers
Date: 2015-01-09 07:27:51 UTC
From: Paul Jinks
Topic: 933 Message: 933

Hi All
Does anyone have any help or comments on this please?
I had not used for my HF150 for some weeks but due to some recent comments on this forum about HF150 control I decided to do some listening.
I send frequency commands via my own software and a dedicated serial interface card. This has served me well for several years. However the HF150 is now behaving erratically. It will obey a set frequency command ... sometimes; but mostly I just see the frequency display flash briefly as the command is received and the HF150 just remains on the previous setting. In other words it is ignoring set frequency commands. Sometimes it seems to recall a random memory set frequency and mode instead. However it will always obey just a mode changing command.

I suspected my own software so I have tried other third party HF150 control software but I still get the same behaviour.

When I first purchased the HF150 new it would not respond to commands at all but I traced this to a dry joint between the display PCB panel and the main horizontal PCB board. But that was a long time ago and I know I made a job good job of that.
Thanks
Paul

934. Re: [Lowe_Receivers] Problem with commands via IF-150

Yahoo group: Lowe_Receivers
Date: 2015-01-09 11:23:44 UTC
From: Dennis Hanley
Topic: 933 Message: 934

This sounds a lot like a problem I was having a while back with an external keypad. It turned out to be a problem with the power supply I was using. Apparently it was not filtered and regulated enough.

An easy way to determine if this is the problem is run the receiver on batteries. If it works properly, then the power supply needs to be repaired or replaced.

I hope this helps!

Dennis Hanley

935. Re: [Lowe_Receivers] Problem with commands via IF-150

Yahoo group: Lowe_Receivers
Date: 2015-01-09 18:39:04 UTC
From: Paul Jinks
Topic: 933 Message: 935

Hi Dennis

Yes that's solved it!!!!!!

Problem solved when I use an external 12v Lead Acid battery connected to input plug.

I am not using the original Lowe power supply; that gave up the ghost a long time ago.
I am using an Hitachi power supply Model AEC12100 input 230V 50Hz and output DC12V 1A.
I can't find any specs for it.
Can anyone recommend something better?
I guess I needed regulated and well screened!

-PAUL

936. Re: [Lowe_Receivers] Problem with commands via IF-150

Yahoo group: Lowe_Receivers
Date: 2015-01-09 19:08:50 UTC
From: Paul Jinks
Topic: 933 Message: 936

Sorry Dennis in my excitement I forgot to say thank you!!

On 09/01/2015 18:39, Paul Jinks wrote:
> Hi Dennis
>
> Yes that's solved it!!!!!!
>
> Problem solved when I use an external 12v Lead Acid battery connected
> to input plug.
>
> I am not using the original Lowe power supply; that gave up the ghost
> a long time ago.
> I am using an Hitachi power supply Model AEC12100 input 230V 50Hz and
> output DC12V 1A.
> I can't find any specs for it.
> Can anyone recommend something better?
> I guess I needed regulated and well screened!
>
> -PAUL

937. New Member

Yahoo group: Lowe_Receivers
Date: 2015-01-22 19:06:29 UTC
From: mt@...
Topic: 937 Message: 937

Just like to say hello and let you all know you have already helped me with a problem with my HF150. I have been trying to control the radio with Nick Baileys interface and software to no avail until I noticed a test was to try powering the radio with batteries and it works fine now so need to purchase a different power supply and some help with that would also be great. so a big thanks to the Lowe receivers group
Mike Taylor

938. Re: New Member

Yahoo group: Lowe_Receivers
Date: 2015-01-22 20:13:42 UTC
From: JRTOW3RD@...
Topic: 937 Message: 938

If you go to Jameco and lookup "ReliaPro #170245', you will find a Taiwan made120V AC input linear & regulated 12V DC at 1A wall wart power supply for $14.95 + shipping. I have several - one powers my HF-150, another one my HF-225, and a third one actually was sourced with my Palstar R30A. I also have several more such power supplies powering my Yaesu FRG-9600 and JPS NIR-10 audio filter that have a different plug on them. I discovered these power supplies several years ago when I got my new R30A - and soon bought one to replace my intermittent Lowe OEM HF-150 supply, which I later repaired (You can dissect it! It was a cold solder joint.). The Yaesu FRG-9600's supply runs warm - still tolerable - the others are luke warm at best. I don't know whether that will 'fix' your interface problems - but it will give youa clean 12 V. supply. Oh... welcome aboard!

John

939. Re: New Member

Yahoo group: Lowe_Receivers
Date: 2015-01-23 17:20:05 UTC
From: mt@...
Topic: 937 Message: 939

Hi John, great thanks for the info will certainly have a look over the weekend running on batteries at the moment
Mike

940. WTB: D-225 board for HF-225

Yahoo group: Lowe_Receivers
Date: 2015-01-25 19:30:52 UTC
From: liber.fab@...
Topic: 940 Message: 940

Hello all !
I am a proud owner of a HF-225 and am looking for its D-225 optional board (for sync AM) : any for sale here ?

Thanks and best 73,
Fabio I0LBE

941. HF225 TUNING RATE

Yahoo group: Lowe_Receivers
Date: 2015-01-28 10:53:44 UTC
From: g8jmb@...
Topic: 941 Message: 941

Problem with HF225; the tuning is only slow rate; does not goto fast when the knob is rotated more rapidly.

Any suggestions, please?

73
JohnB
G8JMB

942. Re: [Lowe_Receivers] HF225 TUNING RATE

Yahoo group: Lowe_Receivers
Date: 2015-01-28 20:04:53 UTC
From: James Strader
Topic: 941 Message: 942

There is nothing wrong with the tuning rate. It’s always “slow” and very, very, accurate. If you want to tune fast you click the Mhz buttons up and down.

No manual with your HF225?

Enjoy your HF225 it’s the work of a master designer. I have the HF225 Europa with all the attachments and leather case.

jim

> On Jan 28, 2015, at 5:53 AM, g8jmb@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:
>
>
> Problem with HF225; the tuning is only slow rate; does not goto fast when the knob is rotated more rapidly.
>
>
>
> Any suggestions, please?
>
>
>

943. Re: [Lowe_Receivers] HF225 TUNING RATE

Yahoo group: Lowe_Receivers
Date: 2015-01-28 21:48:28 UTC
From: JRTOW3RD@...
Topic: 941 Message: 943

Of course, the HF-225 will switch to a faster rate if you rapidly turn the tuning control (Ref: Pg 24 of 'HF-225 User Manual'.). It switches, when in AMS, CW, LSB, or USB, from ~1.6 kHz/rev to ~9 kHz/rev, the AM regular speed, when 'spun' rapidly and from ~9 kHz/rev to ~25 kHz/rev, the FM speed, when on regular AM. I don't know of a specific component failure that could delete the faster rate - the encoder's turning direction and speed are determined by a control subroutine in the control programmable microprocessor. Please compare your unit to the above speeds. I just tested mine - it behaves normally.

John

944. Re: [Lowe_Receivers] HF225 TUNING RATE

Yahoo group: Lowe_Receivers
Date: 2015-01-28 23:39:20 UTC
From: James Strader
Topic: 941 Message: 944

John,

Yes, Of course you are correct and I don’t have to test it, the HF25E does automatically switch from a very slow to a slow tuning rate which is perfect for a DX’er. I should have said it’s "not a fast encoder” like the HF150/AR7030 and others that allow a quick almost flywheel type of tuning across the band in seconds allowing you to distinguish nothing out of the ether.

So yes, like yours, mine behaves normally.

For you youngsters who don’t have a DX-ers patience it will teach you that good things come to those
who wait.

good dx
jim

> On Jan 28, 2015, at 4:48 PM, JRTOW3RD@... [Lowe_Receivers]
<Lowe_Receivers@yahoogroups.com> wrote:
>
>
> Of course, the HF-225 will switch to a faster rate if you rapidly turn the tuning control (Ref: Pg 24 of 'HF-225 User Manual'.). It switches, when in AMS, CW, LSB, or USB, from ~1.6 kHz/rev to ~9 kHz/rev, the AM regular speed, when 'spun' rapidly and from ~9 kHz/rev to ~25 kHz/rev, the FM speed, when on regular AM. I don't know of a specific component failure that could delete the faster rate - the encoder's turning direction and speed are determined by a control subroutine in the control programmable microprocessor. Please compare your unit to the above speeds. I just tested mine - it behaves normally.
>
>
>
> John
>
>
>

945. Re: [Lowe_Receivers] HF225 TUNING RATE

Yahoo group: Lowe_Receivers
Date: 2015-01-30 19:17:25 UTC
From: Mike L
Topic: 941 Message: 945

On 28/01/2015 21:48, JRTOW3RD@... [Lowe_Receivers] wrote:
>
>
> Of course, the HF-225 will switch to a faster rate if you rapidly turn
> the tuning control (Ref: Pg 24 of 'HF-225 User Manual'.). It switches,
> when in AMS, CW, LSB, or USB, from ~1.6 kHz/rev to ~9 kHz/rev, the AM
> regular speed, when 'spun' rapidly and from ~9 kHz/rev to ~25 kHz/rev,
> the FM speed, when on regular AM. I don't know of a specific component
> failure that could delete the faster rate - the encoder's turning
> direction and speed are determined by a control subroutine in the
> control programmable microprocessor. Please compare your unit to the
> above speeds. I just tested mine - it behaves normally.
>
>
> John
This is exactly right, mine does the same as Johns, also see page 10 of
the manual

Mike L

946. Re: [Lowe_Receivers] HF225 TUNING RATE

Yahoo group: Lowe_Receivers
Date: 2015-03-04 21:05:28 UTC
From: antoni@...
Topic: 941 Message: 946

I believe the components concerned with rotation speed and tuning rates are those around the two 22n yellow and green ceramic caps in the tuning encoder input cct.

We had a problem with those caps and I remember some poor sod sending his nearly new '150 in. The anodising in the tuning knob dimple had worn to bright aluminium.

The biggest problems we had with that batch were in the rest of the radios' circuitry - they are used quite a lot. At the time the problem was apparent either at the time of switching on, or after the overnight soak test prior to boxing up.

Very few bad caps got out of the door I think. They might have gone faulty over the years tho.

947. Re: [Lowe_Receivers] HF225 TUNING RATE

Yahoo group: Lowe_Receivers
Date: 2015-03-09 20:17:15 UTC
From: g8jmb@...
Topic: 941 Message: 947

Thanks for the pointer - I'll have a looksee.

73
John
G8JMB

948. Re: [Lowe_Receivers] HF225 TUNING RATE

Yahoo group: Lowe_Receivers
Date: 2015-03-09 20:40:16 UTC
From: Dougfgd
Topic: 941 Message: 948

Many thanks for this I have removed the nice alloy knob to speed up tuning. The lid has been off before to replace the double balanced mixer; my contribution: used white edge lighting LEDS on the LCD works well and easy.
Doug

On 4 March 2015 at 21:05, antoni@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> I believe the components concerned with rotation speed and tuning rates
> are those around the two 22n yellow and green ceramic caps in the tuning
> encoder input cct.
>
> We had a problem with those caps and I remember some poor sod sending his
> nearly new '150 in. The anodising in the tuning knob dimple had worn to
> bright aluminium.
>
> The biggest problems we had with that batch were in the rest of the
> radios' circuitry - they are used quite a lot. At the time the problem was
> apparent either at the time of switching on, or after the overnight soak
> test prior to boxing up.
>
> Very few bad caps got out of the door I think. They might have gone faulty
> over the years tho.
>
>
>

949. lowe hf125 case shell upper and lower or 2 lower

Yahoo group: Lowe_Receivers
Date: 2015-03-19 22:00:21 UTC
From: worthwhilerepairs@...
Topic: 949 Message: 949

Does anyone have a spare case for an HF125 ?? even 2 bottom cases would do..

If anyone has could they pm me with price wanted as have got chassis but case is damaged beyond repair

regards

Mervyn

950. New Version of "Rx_Log_And_Tuner.xls" available

Yahoo group: Lowe_Receivers
Date: 2015-05-09 06:49:59 UTC
From: Joachim Rabe
Topic: 950 Message: 950

Hi everyone,

I have just released version 1.0.8 of my MS-Excel-based software "Rx_Log_And_Tuner.xls".

It is available for download at http://www.k-code.de/rx-tuner/.

Apart from a number of bugs which have been fixed, I have added support for a number of receivers, a new main menu, backups for frequency lists and memory channel management for some receivers.

Here's a list of all changes in Ver. 1.0.8:

* added support for AOR AR-3000A
* added support for JRC NRD-345 (unfortunately not yet sufficiently tested)
* added support for JRC NRD-525 (unfortunately not yet sufficiently tested)
* added support for Lowe HF-150
* added support for R&S EK-890 (including extended functions)
* added support for TenTec RX-340
* added Support for Yaesu VR-5000
* added slider bar to scanner window for manual frequency selection while in "paused" mode
* added COM-port parameter configuration window for certain receivers
* added coordinates converter to calculate Maidenhead Locator
* added new main menu to ease operation
* added freq.-list export/import making version changes easier
* added possibility to use "MODE"-data in a separate column on every frequency list
* added memory management for selected receivers
* fixed bug in scanner module
* fixed bug in frequency selection
* fixed bug in cursor control
* fixed bug in list update
* fixed bug in ELAD FDM-S2 implementation
* disabled "navigate to end of list" at double-click on selected cell-border

Please have a look at the manual enclosed in the ZIP-file before you use RXLT.

A big "Thank You" to everyone who helped in testing, findings bugs etc.!

73s

Joachim Rabe
Norderstedt, Germany, JO53aq
Rx: JRC NRD-545, PERSEUS
Ant.: ALA100, HDLA-Loop, pa0rdt-MW, HDWA

951. HF150 backlight

Yahoo group: Lowe_Receivers
Date: 2015-06-06 09:05:46 UTC
From: eckrot@...
Topic: 951 Message: 951

Hi,

I know there have been several discussions here about that already ... I just want let you to know that there's a LED backlight that fits perfectly underneath the HF-150 and similar LCDs. It can be found here: Adafruit LED Backlight Modul, weiß - Medium: Amazon.de: Computer & Zubehör http://www.amazon.de/gp/product/B00LB76GSG?psc=1&redirect=true&ref_=oh_aui_detailpage_o00_s00, it should be available also from other sources.
I upload some images to show how it looks like. Unfortunately, I pulled also the polarizing foil when removing the metal shield from the LCD backside. I used this mistake to assemble it the other direction, having an inverse display now. Looks not to bad, I think.

Eckhard

http://www.amazon.de/gp/product/B00LB76GSG?psc=1&redirect=true&ref_=oh_aui_detailpage_o00_s00

Adafruit LED Backlight Modul, weiß - Medium: Amazon.de: ... http://www.amazon.de/gp/product/B00LB76GSG?psc=1&redirect=true&ref_=oh_aui_detailpage_o00_s00 Adafruit LED Backlight Modul, weiß - Medium: Amazon.de: Computer & Zubehör

View on www.amazon.de http://www.amazon.de/gp/product/B00LB76GSG?psc=1&redirect=true&ref_=oh_aui_detailpage_o00_s00
Preview by Yahoo

952. Re: [Lowe_Receivers] HF150 backlight

Yahoo group: Lowe_Receivers
Date: 2015-06-06 10:25:46 UTC
From: Dougfgd
Topic: 951 Message: 952

I edge lit my 150 with white Leds 2 years ago looks ok at night.
Doug

On 6 June 2015 at 10:05, eckrot@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> Hi,
>
>
> I know there have been several discussions here about that already ... I
> just want let you to know that there's a LED backlight that fits perfectly
> underneath the HF-150 and similar LCDs. It can be found here: Adafruit
> LED Backlight Modul, weiß - Medium: Amazon.de: Computer & Zubehör
> <http://www.amazon.de/gp/product/B00LB76GSG?psc=1&redirect=true&ref_=oh_aui_detailpage_o
00_s00>,
> it should be available also from other sources.
>
> I upload some images to show how it looks like. Unfortunately, I pulled
> also the polarizing foil when removing the metal shield from the LCD
> backside. I used this mistake to assemble it the other direction, having an
> inverse display now. Looks not to bad, I think.
>
>
> Eckhard
> [image: image]
> <http://www.amazon.de/gp/product/B00LB76GSG?psc=1&redirect=true&ref_=oh_aui_detailpage_o
00_s00>
> Adafruit LED Backlight Modul, weiß - Medium: Amazon.de: ...
> <http://www.amazon.de/gp/product/B00LB76GSG?psc=1&redirect=true&ref_=oh_aui_detailpage_o
00_s00>
> Adafruit LED Backlight Modul, weiß - Medium: Amazon.de: Computer & Zubehör
> View on www.amazon.de
> <http://www.amazon.de/gp/product/B00LB76GSG?psc=1&redirect=true&ref_=oh_aui_detailpage_o
00_s00>
> Preview by Yahoo
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953. More new speakers for my 150 & 225!

Yahoo group: Lowe_Receivers
Date: 2015-07-19 13:59:23 UTC
From: JRTOW3RD@...
Topic: 953 Message: 953

I liked the Infinity P143 ($40-$60 each) speakers I had for my SW radios... then I got a JBL Pro LSR-305 ($130) powered monitor - great - the best audio quality yet. I just feed my four receivers line/record outputs to a Behringer MX-400 ($25!) micro mixer to the powered monitor, allowing me to pot up the receiver I want to hear. Great - I removed the the four P143's. I tried the newest speaker purchase, actually bought to use in my 'hobby' room upstairs and over the garage - a pair of Klipsch KB-15's ($130/pair), with their horn-loaded tweeter and 5" LF driver. Wow - just a bit large. So, Thursday I splurged - ordered a pair of Klipsch B-10's (4" LF & 3/4" horn-loaded dome HF drivers). The size of the P143's, they sound 'larger' - certainly are a bit more efficient. I broke them in connected to my office stereo for 10+ hr - and thoroughly enjoyed listening to them - actually amazed at their bass output and clear treble. They have a wall-mounting keyhole routed on the back above the rear-firing bass reflex port. They should be located 6-8"+ away from a wall, however, for greatest bass ("It's all about the bass..."). This AM (0500 CDT) found me listening to them connected as they were intended - one to each of my 150 & 225. I listened to RNZ and RA - both crystal clear, the 150 on 'ASF' mode and the 225 on Synch AM with a 10 KHz BW, the still useful Tone control on the 225 at flat (12 o'clock). Great - then to 40 mb hams - CW sounded musical - LSB QSO's sounded crystal clear - and the Lowe receivers' mighty Watt of audio is plenty for normal listening. I found the speakers for my Lowes.

If you want a pair - and they are only sold as a pair - hurry - they were dropped a while back and are disappearing quickly. I bought mine from Amazon - they have a choice of vendors offering them from $90 - $110 with free stateside s&h.

954. HF-225 Display

Yahoo group: Lowe_Receivers
Date: 2015-08-09 05:29:02 UTC
From: m0zli@...
Topic: 954 Message: 954

Hi all,

I'm looking for a NOS display to replace a rather sick one in my HF-225. If anyone has a spare they are willing to part with I would gladly take it off their hands for a suitable "coin of the realm" swap.

The LEDs are fine, just little or no contrast on the display itself, although I have a feeling it could be a supply issue? Any ideas?

Thanks all.

David

955. hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-08-25 19:37:18 UTC
From: aksafety@...
Topic: 955 Message: 955

I am getting ready to acquire an HF-150 (my first never had one before) and would like to obtain the elusive and rare accessories like speaker/filter, preselector.

Anyone know of a source, realize any former Lowe dealer most likely has none of these items. And of course being rare they are expensive in the hands of SWL's

73

John
"SWL since 1965"

956. Re: [Lowe_Receivers] hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-08-25 20:02:38 UTC
From: Robert Allen
Topic: 955 Message: 956

John, as you note the two extra modules, as well as the 3 level stand Lowe sold for the 3 modules, are pretty rare.
That said, I will have a PR-150 for sale in 3-4 weeks. I'm not sure for how much, or whether I'd put it on ebay or sell
direct.

A comment about the SP-150. It's also rare, possibly more rare than the preselector. But unless you just want to
collect the whole set you might reconsider buying one for a couple reasons, aside from the expense. First, using the S
meter requires you do a mod to the HF-150 (dissassemble it, drill a hole in the back of the case, and do minor mods to
one of the motherboards inside to bring out the IF to a plug so you can run it to the SP-150). Second, you can
probably get better sound by just running the speaker-out from the HF-150 to something like a Radio Shack Minimus 7
(available used on ebay.)

The main thing you will want is a good antenna. The supplied whip is fine for casual SWL, but if you an indoor or
outdoor 50 ohm antenna you'll get more channels.

Another thing you might want to consider if you don't have it already, is a nice standalone regulated (i.e. non
switching) power supply. I use an Astron RS-4A to power all my SWL radios. They can be found used for about $30
if you hunt around. Regulated power supplies emit less noise and are more reliable than the wall warts or small inline
supplies that come with radios.

Regards,

Robert allen

> I am getting ready to acquire an HF-150 (my first never had one
> before) and would like to obtain the elusive and rare accessories like
> speaker/filter, preselector.
>
> Anyone know of a source, realize any former Lowe dealer most likely
> has none of these items. And of course being rare they are expensive
> in the hands of SWL's
> John
> "SWL since 1965"

957. Re: hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-08-25 22:14:20 UTC
From: JRTOW3RD@...
Topic: 955 Message: 957

First of all, the Lowe HF-125, 150, & 225 all share the exact same audio output stage - it is capable of decent audio, albeit at only a Watt or so at 8 Ohms. I used Drake MS-4's and RS Minimus 7's for years - but the Lowes deserved better - they finally offered a Wharfedale 'Diamond' speaker (S225) in England for the 125/225. I've never seen one. I did use a 125 and a 225 years ago - and decided I had to have on. Sadly, I waited almost too long - Lowe was gone and I found and bought the last new HF/PR-150 pair I found (EEB!) 15-20 years ago. I had my JRC NRD-525 & R8 for DXing - the Lowes were for program listening - on ASF mode (offset AM synch with wide BW) over a Minimus 7 Sounded great during the odd occasions when my EMI (powerline) noise wasn't blanketing everything. The PR-150 would be great in strong signal/long antenna/critical DX combinations, but it's two banked tuned circuits lose 6-10db - barely replaced by the preamp's 8-10 db gain, if selected. You do gain an antenna A/B switch - and a 600 Ohm balanced or unbalanced input - but you lose the whip pre-amp from the HF-150. The PR-150 has two power connectors - you plug the HF's power supply into the PR and use a double ended coaxial power cable from the PR to the HF. That jumper - and a 1 m PL259/PL259 jumper for the PR to the HF - was included with the PR-150.

The HF-150 really shines (as does my 225!) when fed through a decent speaker - like the Infinity P143 (~$59)
or, better (Louder - more efficient!) - Klipsch B-10 or KB-15 (Sold as pairs - $100 - $200/pair.). The circuit board layout and filters chosen don't give the type of skirt selectivity needed to make the HF-150 a serious DX tool, but mine has been trouble-free. Not so the PR-150. The switches get dirty often (and I don't smoke!). Test your contact cleaner before spritzing the PB switches - some are great plastic solvents. The PR cannot be powered by the HF-150's AA battery trays without some HF surgery. If the original Lowe power supply is missing, the Jameco linear (transformer powered FW rectifier and 12V 1A 3-terminal regulator - ~$15) power supply is a great - and quiet - substitute. I wouldn't mortgage the farm for a PR-150...

Good luck!

John

958. Re: hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-08-26 00:10:48 UTC
From: aksafety@...
Topic: 955 Message: 958

Thanks gentlemen

Great info yrs, I do remember the speaker/filter requires some mod so the preselected might be an option if one can be found Randy on eBay did have the accessories early this year I believe but of course sold quick even for his asking price, do have a Palstar SP30! That might work well I am using with my R8A I am getting ready to sell
Great info and very much appreaeactec
73
John

960. Re: hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-08-28 00:59:29 UTC
From: antoni@...
Topic: 955 Message: 960

The original designer of the Lowe receivers was more than HiFi enthusiast, he went on to design high end audio equipment for a well known (at the time) manufacturer. You won't get improved audio fidelity by using the AP-150 but you will get the opportunity to use the audio filtering controls, which can be useful sometimes. The SP-150 has more audio power and a forward facing speaker, which I think is always a good idea for an HF receiver. Not much better over-all than the speakers mentioned below.

Signal strength is not usually a problem on general listening to HF. A very strong signal near to a weak one you are trying to listen to often is a problem. That's what the PR-150 was all about. Its effectiveness is dramatically evident when you use it with a a wide-band DC to light scanner. The cost of the PR-150 means that you wouldn't buy one for that purpose but that example of use demonstrates the principle wonderfully.

The HF-150 does not have any general HF filtering ahead of 'the radio'. The first stages of the radio are good enough with a modest antenna to survive without such basic filtering. The PR-150 allows you to boost the RF performance of this entry level receiver so that you can use large HF antennas and still take advantage of the good audio design, along with ASD and the clever offset centre ASF mode.

The switches on the SP AP PR 150s were a pain even while we were producing them let alone now. Good advice re choice of switch cleaner!

961. Re: hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-08-28 01:14:28 UTC
From: antoni@...
Topic: 955 Message: 961

Sorry, that last post was confusing re SP-150 and AP-150.

The two are identical.

The SP name was marketed first but we got feedback asking for a justification for its price....for a SPeaker?

The name was changed to AP for audio processor - which in reality - it was.

BTW, the modificationto the HF-150, the purpose of which was to allow the AP-150's S-meter to work, was very easy and would take about 5 minutes top to tail.

962. Re: hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-08-28 15:14:20 UTC
From: w4dst@...
Topic: 955 Message: 962

---In Lowe_Receivers@yahoogroups.com, <JRTOW3RD@...> wrote :

>The HF-150 really shines (as does my 225!) when fed through a decent speaker<

I found a pair of circa 1963 Wharfedale W20D spearkers for $5US at an estate sale. One is connected to my HF-225 and the audio is superb. The previous owner had Kiwa install their audio upgrade which I doubt was really needed but certainly didn't hurt.

Rick W4DST

963. Re: hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-08-28 16:55:10 UTC
From: JRTOW3RD@...
Topic: 955 Message: 963

Rick, that's a deal! An even greater improvement can be had by using a commercial powered monitor - like my JBL Pro LSR-305 (Amazon $130-$150 shipped). I feed it from a Behringer 4:1 Micro-Mix MX-400 (Amazon $24), connecting the line/aux/record outputs of four of my SW radios so I can pot them up individually. You'll discover what real hifi sound is - and that some radios, like the R75, really are capable, ie, just a speaker won't remedy their problem. The powered monitors are available at Guitar Center stores - my local store has them in their studio room for demo's. Really a flat response - the 225 on sync & 10 kHz BW - on an oldies stations (1320 kHz WENN 5kW Daytime in nearby Birmingham, AL.). My HF-150 must have the PR-150 in line due to cross-modulation by physically nearby 850 kHz WXJC 50 kW. The 225 - like my other larger tabletops - has BPF's which effectively blocks the MW signals from CM on SW bands. The original HF-150 has only a 30 MHz LPF between the antenna, which in my case is a Pixel Pro-1a, and the first mixer - an invitation to CM from that huge 850 kHz signal. Switching the 150's back panel attenuator on gets rid of it - as did not employing just the PR-150's pre-amp! Bare - the 150 displayed no CM - whew! Any way you cut it, these radios have a great audio capability.
John

964. Re: hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-08-29 13:44:48 UTC
From: Rick Robinson
Topic: 955 Message: 964

On 8/28/2015 12:55 PM, JRTOW3RD@... [Lowe_Receivers] wrote:
>
> Rick, that's a deal! An even greater improvement can be had by using a
> commercial powered monitor - like my JBL Pro LSR-305 (Amazon $130-$150
> shipped). I feed it from a Behringer 4:1 Micro-Mix MX-400 (Amazon
> $24), connecting the line/aux/record outputs of four of my SW radios
> so I can pot them up individually.
>
Thanks for that tip John. Our local music store stocks the MX-400 for
$29.95. A little higher than Amazon, but I like to support the local
merchants in our town and I'm going to pick one up this weekend. I have
a small powered stereo speaker system in a wooden case that sounds very
good for its size. This will make a good combo for my HF-225.

Rick

965. Re: hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-08-29 15:28:48 UTC
From: JRTOW3RD@...
Topic: 955 Message: 965

The inputs to the MX-400 are TRS (Balanced - actually a 1/4" stereo phone jack!). I bought two TRS male (balanced) to RCA phono male (unbalanced) cables, which, when pulled apart (Unzipped), yielded four input cables(Amazon $6/stereo cable). A couple of RCA female/1/8" male phone adapters from RS finished the installation - except for the TRS male to TRS male balanced output cable to the amplified monitor speaker I use. I found the RCA/mini-phone adapters I needed on closeout at Guitar Center last week - carded at 2/$0.57! It turned out to be an expensive trip... my wife found a new Hofner electric she wanted! I didn't feel bad about my <$2 purchase of 3 cards (6 adapters)... I never thought about checking their studio demo room last fall, but they had the JBL LSR-305 & 308 hooked up for demo now - and they price match Amazon.

John

966. Re: hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-08-29 19:04:43 UTC
From: JRTOW3RD@...
Topic: 955 Message: 966

The TRS cables I mentioned are actually just 1/4" mono phone plugs to RCA plugs. They work by grounding the "Ring" at the plug (TRS = Tip-Ring-Sleeve), reverting the input to single-ended (unbalanced). They work great - and can be 'pulled apart' to make two input cables - 1 m in length and made by Hosa - $5.90 shipped (2-days) for Amazon Prime members. Check your local stores for such stock - believe it or not, I once paid extra for local availability... sadly, local stores have dried up!

967. Re: hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-12-15 20:17:47 UTC
From: JRTOW3RD@...
Topic: 955 Message: 967

I thought I'd update my HF-225 speaker choice. First, even though the digital amps and switching power supply in my JBL Pro LSR-305 produced minimal RFI picked up via my attic mounted Pixel loop, such wasn't the case with my large LW tunable loop or Radio Plus+ Quantum Loop, located several feet from the powered monitor. I moved the powered monitor to the computer desk, where it was joined with another such unit ($99 Amazon 'Black Friday'!) as my computer speakers. The minimal RFI picked up by the loops can be easily secured. In the last year, I discovered Klipsch bookshelf speakers, and subbed a KB-15 (2 for $130 Amazon) for the previous Infinity P143, which had been repurposed. I only had one spare KB-15, so I grabbed a pair of Klipsch B-10's (2 for $99) - I like the clarity of the Klipsch horn tweeters - and their efficiency (High SPL's - the smaller B-10's are 90dB while the KB-15's are 94 dB - will get the most use from the Lowe's Watt or so of output.). I have a B-10 for my HF-150 and my R-75, which is 'stock' and actually sounds better now than ever. The powered monitors did sound a bit louder for sure, but winter LW & MW loop listening ruled their switching supply unwelcome.

Not everyone likes the typical Klipsch horn sound... in fact, some 'audiophiles' insist that more than a few minutes of listening to one 'makes their ears bleed!'. It would be good to audition such speakers first, if possible. If not, the Infinity P143 speakers are a good choice. They certainly beat the socks off the old standby speakers - Radio Shack 'Minimus 7'.

968. Re: hF-accessories?

Yahoo group: Lowe_Receivers
Date: 2015-12-17 16:29:55 UTC
From: JRTOW3RD@...
Topic: 955 Message: 968

Okay... I just had to try. In preparation for my new office stereo amplifier, which should arrive later today, my large Klipsch RB-81ii bookshelf speakers were sitting unused. The speakers have a sensitivity of 97 db (SPL @ 1 W!), due to their front ported 8" LF and large Ti dome horn HF drivers. The speaker I used is fed by by #14 stranded copper Zip cord and located on a case in the corner of my office. With the HF-225 volume @ 10 o'clock, and using AM-sync and 10 kHz BW, and R. Australia on 9,580 kHz, this AM's mx pgm was LOUD and full-bodies. The ultimate radio speaker? Hardly - it's the largest bookshelf speaker I've seen - and, at~28 lb, heavy, as well. Discontinued, they are still $249/each from Amazon. Wow, even my local oldies AM BCB-er, 1320 kHz WENN, broadcasting Christmas music since mid September, is a delight to listen to - the best AM sound I've ever heard - pianos sound great! Raising the volume 11 o'clock and the sound is uncomfortably loud - but clean, as it is to as high as 1 o'clock , the highest I tried (LOUD). Normally, I listen on the smaller Klipsch bookshelf speakers (KB-15 or the smaller B-10), which are plenty loud at 10 and 11 o'clock respectively. They sound fantastic, too. Try a decent external speaker!

The full-bodied sound that Thorpe-designed audio output stages produce is still an anomaly in SW radio's over a quarter century after he introduced the HF-125, which contains the same chip and circuit components in it's output amp as the 150 and 225 (I've never seen a 250's schematic, so I can't say about it.). It's not just the frequency response, which can be lessened with the 'tone' control... it's the high s/n ratio and low distortion, too. Sadly, more current radio manufacturers didn't take the hint!

969. Welcome

Yahoo group: Lowe_Receivers
Date: 2015-12-27 16:43:00 UTC
From: Bruce Kahn
Topic: 6 Message: 969

I want to thank the moderator for approving my membership.
I recently purchased a used HR-225.
I have 3 questions.
The radio doesn't maintain memory back up. I need to know how and where to find and replace the battery.
Secondly, the left 2/3 digits are slightly dimmer than the remaining digits. Is there a fix it or is that normal.
Thirdly, the knobs on my radio don't display the usual white arrow pointers it just has a white dot to indicate position. I did notice my serial # is a very low # is that why the knobs markings are different.
Thank you all for your help.
Bruce K

970. Keypad

Yahoo group: Lowe_Receivers
Date: 2015-12-27 16:55:41 UTC
From: Bruce Kahn
Topic: 970 Message: 970

Hello again,
I'm looking to purchase the matching keypad for my HR-225. I have a keypad for my Yaesu FRG-100 receiver. If I could modify it to work with the 225 I would.
Any help in finding one who be appreciated.
Than you
Bruce K

971. Re: Keypad

Yahoo group: Lowe_Receivers
Date: 2015-12-27 23:59:39 UTC
From: np1070@...
Topic: 970 Message: 971

Bruce,

You can obtain an aftermarket keypad for your HF225 at http://wirechief.com/keypad/

It is operationally equivilent to the Lowe KPAD-1

Regards,

Dennis Hanley

972. Re: [Lowe_Receivers] Re: Keypad

Yahoo group: Lowe_Receivers
Date: 2015-12-28 00:10:51 UTC
From: Bruce Kahn
Topic: 970 Message: 972

Thank you Dennis. Have you or someone you know used it.
Thanks
Bruce

> On Dec 27, 2015, at 6:59 PM, np1070@... [Lowe_Receivers]
<Lowe_Receivers@yahoogroups.com> wrote:
>
> Bruce,
>
> You can obtain an aftermarket keypad for your HF225 at http://wirechief.com/keypad/
>
> It is operationally equivilent to the Lowe KPAD-1
>
> Regards,
>
> Dennis Hanley
>

973. HF-125 brought out of storage

Yahoo group: Lowe_Receivers
Date: 2015-12-29 15:17:25 UTC
From: Julian Hardstone
Topic: 973 Message: 973

My 125 has lain unused for several years since I mod'd it for a DRM output, so I got it out and and restored the CIO back as original. It came on, ready tuned to 15,070 but I could hear nothing but noise! Same on all the memory channels, 12095, 9410, 5955. Tuning around, all I can hear seems to be Chinese - has the frequency
display become corrupted or is there something else going on? LW seems to work, but there must be a loss of sensitivity because I can't hear any Germans or Denmark ;-)

More seriously, I am reminded of the problem I always had with the synchronous AM detector: the gain is lower than from the straight AM detector. I suspect it has become worse, it is now about 26dB lower than the straight detector. Is this a known issue, or should I be looking for a fault on the D-125 detector board? Do other users observe a similar decrease of level when switching to AMS?

- Julian

974. Re: [Lowe_Receivers] Re: Keypad

Yahoo group: Lowe_Receivers
Date: 2015-12-30 13:32:51 UTC
From: John Caines
Topic: 970 Message: 974
Attachments: 1 described; binary payloads are missing from this source WARC

I bought one which looks the same from eBay in the UK about 2 years ago
but it was a kit and I had to mount it in a box, it works fine, much
easier to the use the HF225 with it.

Regards

John

On 12/28/15 00:10, Bruce Kahn brukay5050@... [Lowe_Receivers]
wrote:
> Thank you Dennis. Have you or someone you know used it.
> Thanks
> Bruce
>
> On Dec 27, 2015, at 6:59 PM, np1070@...
> <mailto:np1070@...> [Lowe_Receivers]
> <Lowe_Receivers@yahoogroups.com
> <mailto:Lowe_Receivers@yahoogroups.com>> wrote:
>
>> Bruce,
>>
>> You can obtain an aftermarket keypad for your HF225 at
>> http://wirechief.com/keypad/
>>
>> It is operationally equivilent to the Lowe KPAD-1
>>
>> Regards,
>>
>> Dennis Hanley
>>
>

975. Re: Keypad

Yahoo group: Lowe_Receivers
Date: 2015-12-30 14:07:42 UTC
From: JRTOW3RD@...
Topic: 970 Message: 975

Dennis,

I just ordered one for my HF-150. BTW, I still maintain that the best accessory for a Lowe receiver is a decent hifi speaker so you can enjoy their great audio. I retired my JBL Pro LSR-305 powered speaker to the other side of the office to be used as a PC speaker because of it's radiated digital hash interfering with my MW loop antenna. I am back to using some small and efficient Klipsch bookshelf speakers (KB-15's @ $130/pr) with my HF-150 & 225. I also have a pair of smaller B-10's ($99/pr!) for my Icom R75 and Palstar R30A, where they also help. The Lowes just sound so much better. My 225 was bought used with the AMS board and KPAD-1, which quickly drew my favor to the 225 over the 150 due to the easier freq entry. I bought the 150 new - along with the PR-150 - and look forward to my easier freq entry. I have borrowed the KPAD-1 for the 150, but the 225 doesn't like to share!

Thanks for the head's up for your website.

Happy New Year!

John

976. Dim display

Yahoo group: Lowe_Receivers
Date: 2016-01-03 21:31:21 UTC
From: Bruce Kahn
Topic: 976 Message: 976

Hello
I've noticed the display on my 225 is half dim and half bright. The right 2digits are bright as they should be but the 2 digits to the left of the decimal point are about 50% dimmer.
Has anyone had this similar problem and if so is there something that I can do to correct it. Maybe the pins for display module have oxidized and can be cleaned. It's quite annoying considering the radio works fine otherwise.
Also but not of the same importance, it seems I purchased an older version of the HF225. The knobs on my radio just have a single white dot depicting position. I would like to replace them with the newer ones with the white arrows. Does anyone know where to purchase these. My serial# has 4 digits preceded by a 0. From what I've seen most of the sets have 6 digit serial #. There must have been a change to knob design after my serial # run.
Happy New Year
Thank you for any assistance.
Bruce

977. New keypad arrived... nice!

Yahoo group: Lowe_Receivers
Date: 2016-01-07 13:10:04 UTC
From: JRTOW3RD@...
Topic: 977 Message: 977

I ordered a new keypad from our fellow member, Dennis, last week for my HF-150. It arrived yesterday... nice! It is similar to the OEM Lowe KPD-1 product - just a wee bit taller - and resting on taller rubber feet. The numerals are printed a bit thicker than on the OEM keypad and the attached cable is at least as long as that on the OEM unit, ie, not as short as the unit pictured on his website. It does work as the OEM one does - or, in a one key mode, 0 thru 9 can be pushed to call up memories, including modes, 10 , 1 - 9. It was fairly priced at $49 + $5.80 Priority Mail. It works as well as my KPD-1 does on my HF-225, too. If you need a keypad for your HF-150/225, this one works well and at a better price - new - than most evil-bayers want for an old OEM unit. My nearly two decade old 150 is happy.

979. Re: New keypad arrived... nice!

Yahoo group: Lowe_Receivers
Date: 2016-01-22 15:10:12 UTC
From: JRTOW3RD@...
Topic: 977 Message: 979

I thought I'd follow up a few weeks post arrival of my keypad. My HF-150 is still 'happy' to have it's own keypad - an accessory I never tried with it - until I got my used HF-225, which came with a KPD-1. I had bought my '150 new from EEB many years ago - and had gotten accustomed to it's 'minimalist' design, admittedly augmented by the PR-150 I bought with it, the pair being the last two new such items I could find (I miss EEB!). Obviously, both myself and the receivers have continued to age - and I do appreciate Dennis' keypad - it is much easier to use. I did discover that only a dedicated push and release of the keys is all that is needed. In fact, press the keys too long and you'll get a string of the same digits.

For example:
Press and release, in turn: 9 5 8 0, and my HF-150 will tune to 9,580 kHz, and, like now, you'll get R. Australia. Press just 9 - and hold it down - and you will tune to 9,999 kHz - and likely hear WWV on 10,000 kHz. The nuance is known to Dennis - and he said to correct it would take a complete rebuild. Now that I know it does this - with both the HF-150 & 225 - it isn't a problem and I'd gladly buy it again. It's 'one touch mode', only with the HF-150, is nice, too. Press 1 & 2 simultaneously * or # to exit. Pressing digits 1 - 9 or 0 will retrieve memories 1 - 9 & 10, including frequency and mode - pretty useful.

John

980. RE: [Lowe_Receivers] Re: New keypad arrived... nice!

Yahoo group: Lowe_Receivers
Date: 2016-01-22 17:01:23 UTC
From: Robert S. Lonn
Topic: 977 Message: 980

John,,, Thanks for the update,, that is the way my original keypad for my HF-150 Europa radio operates!!! It has been an excellent accessory to my radio… Still one of the most sensitive portable radios around!!! Recently I picked up a side mounted carrying handle, original part , for mine… eBay is great for finding these rare items for one’s radio collection… Also found spare battery holders for the radio just in case the plastic clips break off…

Enjoy the keypad, they make things a lot easy to use. Especially the direct entry capabilities as you mentioned!!

Robert

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: Friday, January 22, 2016 7:10 AM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Re: New keypad arrived... nice!

I thought I'd follow up a few weeks post arrival of my keypad. My HF-150 is still 'happy' to have it's own keypad - an accessory I never tried with it - until I got my used HF-225, which came with a KPD-1. I had bought my '150 new from EEB many years ago - and had gotten accustomed to it's 'minimalist' design, admittedly augmented by the PR-150 I bought with it, the pair being the last two new such items I could find (I miss EEB!). Obviously, both myself and the receivers have continued to age - and I do appreciate Dennis' keypad - it is much easier to use. I did discover that only a dedicated push and release of the keys is all that is needed. In fact, press the keys too long and you'll get a string of the same digits.

For example:

Press and release, in turn: 9 5 8 0, and my HF-150 will tune to 9,580 kHz, and, like now, you'll get R. Australia. Press just 9 - and hold it down - and you will tune to 9,999 kHz - and likely hear WWV on 10,000 kHz. The nuance is known to Dennis - and he said to correct it would take a complete rebuild. Now that I know it does this - with both the HF-150 & 225 - it isn't a problem and I'd gladly buy it again. It's 'one touch mode', only with the HF-150, is nice, too. Press 1 & 2 simultaneously * or # to exit. Pressing digits 1 - 9 or 0 will retrieve memories 1 - 9 & 10, including frequency and mode - pretty useful.

John

981. RE: [Lowe_Receivers] Re: New keypad arrived... nice!

Yahoo group: Lowe_Receivers
Date: 2016-01-28 14:50:24 UTC
From: JRTOW3RD@...
Topic: 977 Message: 981

Robert,
I bought my used HF-225 from an evil-bayer several years ago. It came with the AMS board and the unlabeled KPD-1 keypad (Grey cord.). Pressing #1 & 2 simultaneously on it won't switch it to a one digit freq & mode, memories 1-9 &10, like it will with Dennis' keypad. Not a big deal, as the Mem pb on the receiver opens all 60 locations selectable by the tuning knob. Oddly, I never use the memories!

The same evil-bayer I bought my 225 from has an AP/SP-150, the S-meter and audio filter/amp/speaker accessory, for sale - for almost what I paid for my brand new HF-150 so many years ago.

Does your HF-150 Europa have the front end bandpass filters as well as the better IF filters and shielded RFC's? That would almost preclude the need for my PR-150 preselector.

The HF-150 is a great receiver - with excellent detector modes and clean audio. It really sounds great, using ASF mode, driving one of my Klipsch bookshelf speakers (KB-15) while my 225 drives the other one. They really deserve good speakers.

John

982. RE: [Lowe_Receivers] Re: New keypad arrived... nice!

Yahoo group: Lowe_Receivers
Date: 2016-01-29 01:36:34 UTC
From: Robert S. Lonn
Topic: 977 Message: 982

Does your HF-150 Europa have the front end bandpass filters as well as the better IF filters and shielded RFC's? That would almost preclude the need for my PR-150 preselector.

YES IT DOES!!!!

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: Thursday, January 28, 2016 6:50 AM
To: Lowe_Receivers@yahoogroups.com
Subject: RE: [Lowe_Receivers] Re: New keypad arrived... nice!

Robert,

I bought my used HF-225 from an evil-bayer several years ago. It came with the AMS board and the unlabeled KPD-1 keypad (Grey cord.). Pressing #1 & 2 simultaneously on it won't switch it to a one digit freq & mode, memories 1-9 &10, like it will with Dennis' keypad. Not a big deal, as the Mem pb on the receiver opens all 60 locations selectable by the tuning knob. Oddly, I never use the memories!

The same evil-bayer I bought my 225 from has an AP/SP-150, the S-meter and audio filter/amp/speaker accessory, for sale - for almost what I paid for my brand new HF-150 so many years ago.

Does your HF-150 Europa have the front end bandpass filters as well as the better IF filters and shielded RFC's? That would almost preclude the need for my PR-150 preselector.

The HF-150 is a great receiver - with excellent detector modes and clean audio. It really sounds great, using ASF mode, driving one of my Klipsch bookshelf speakers (KB-15) while my 225 drives the other one. They really deserve good speakers.

John

983. RE: [Lowe_Receivers] Re: New keypad arrived... nice!

Yahoo group: Lowe_Receivers
Date: 2016-01-29 01:51:46 UTC
From: Robert S. Lonn
Topic: 977 Message: 983

And, thanks for sharing.. My other Lowe receivers are the HF-250 fully loaded,, HF-350,, Plus a AOR AR7030 and AOR AR3030,, all Great Radios and FUN to use…..

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: Thursday, January 28, 2016 6:50 AM
To: Lowe_Receivers@yahoogroups.com
Subject: RE: [Lowe_Receivers] Re: New keypad arrived... nice!

Robert,

I bought my used HF-225 from an evil-bayer several years ago. It came with the AMS board and the unlabeled KPD-1 keypad (Grey cord.). Pressing #1 & 2 simultaneously on it won't switch it to a one digit freq & mode, memories 1-9 &10, like it will with Dennis' keypad. Not a big deal, as the Mem pb on the receiver opens all 60 locations selectable by the tuning knob. Oddly, I never use the memories!

The same evil-bayer I bought my 225 from has an AP/SP-150, the S-meter and audio filter/amp/speaker accessory, for sale - for almost what I paid for my brand new HF-150 so many years ago.

Does your HF-150 Europa have the front end bandpass filters as well as the better IF filters and shielded RFC's? That would almost preclude the need for my PR-150 preselector.

The HF-150 is a great receiver - with excellent detector modes and clean audio. It really sounds great, using ASF mode, driving one of my Klipsch bookshelf speakers (KB-15) while my 225 drives the other one. They really deserve good speakers.

John

984. new member intro

Yahoo group: Lowe_Receivers
Date: 2016-02-09 08:59:10 UTC
From: numptydad349@...
Topic: 984 Message: 984

Hel Lowe all.

many thanks for approving my admittance to the group. Having just come into possession of an SRX30D, the next thing was to look around for like minded folk, so here I am.
I had an HF150, from new, and stupidly parted with it, as with other radio equipment, including 2 yes 2 racal RA17s. When the yen for radio resurrected, I first obtained an SDR set, very good, but without the character of a true hands on set, a bit like old British motorbikes, really.

Anyway, I'm very happy with the SRX, it certainly pulls in the signals, could do with a bit of audio filter, so I'm going to attempt a vectronics kit for that.
It also has a slight problem with the digital display, in that the single khz characters do not fully form, not a great problem, just would like to see them complete, but no idea how that could be achieved..

I'm not great at matters Radio Theory, in fact it was a minor miracle that I passed the Radio theory test to be an operator in Royal Signals, could do the morse all right, but beyond Ohms law, it was somewhat of a mystery. Passed the RAE too, so I must have done enough.

So, that's me,
best wishes
Dave

985. Re: [Lowe_Receivers] new member intro

Yahoo group: Lowe_Receivers
Date: 2016-02-09 09:51:18 UTC
From: crabtreejr@...
Topic: 984 Message: 985

Hello David

Welcome to the group. I am pleased to hear that the SRX-30D is working for you.

IIRC, the SRX-30D used two frequency counter chips, one for the MHz digits, and the other for the kHz digits. These chips do fail. IIRC correctly they are MSM5524 chips which were made by OKI, and designed back in the 1970's. The Ambit International Techknowledgey catalogues from that era had the details of the family of four devices (IIRC MSM5524, MSM 5525, MSM 5526, and MSM 5527)

They are very hard to find, if not unobtainable. They were used in other radios at the time. Other options might be to :
i) swap the Mhz and kHz chips, which I would not do
ii) use an external frequency display module for kHz digits.

HTH and 73

John KC0G

-----Original Message-----

From: numptydad349@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Tue, Feb 9, 2016 8:59 am
Subject: [Lowe_Receivers] new member intro

Hel Lowe all.

many thanks for approving my admittance to the group. Having just come into possession of an SRX30D, the next thing was to look around for like minded folk, so here I am.
I had an HF150, from new, and stupidly parted with it, as with other radio equipment, including 2 yes 2 racal RA17s. When the yen for radio resurrected, I first obtained an SDR set, very good, but without the character of a true hands on set, a bit like old British motorbikes, really.

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It also has a slight problem with the digital display, in that the single khz characters do not fully form, not a great problem, just would like to see them complete, but no idea how that could be achieved..

I'm not great at matters Radio Theory, in fact it was a minor miracle that I passed the Radio theory test to be an operator in Royal Signals, could do the morse all right, but beyond Ohms law, it was somewhat of a mystery. Passed the RAE too, so I must have done enough.

So, that's me,
best wishes

Dave

986. Lowe HF-150 CW and Dgital Mode

Yahoo group: Lowe_Receivers
Date: 2016-02-09 11:28:59 UTC
From: lionelloarosio@...
Topic: 986 Message: 986

Hi Group !

can I have good result by the amazing Lowe HF-150 and Computer SDR Software PBT for CW and Digital Mode operation (Variable Pass Band DSP Filetring via PC) ?

Regards,

Lio, IZ2BKO

987. RE: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Yahoo group: Lowe_Receivers
Date: 2016-02-09 16:00:00 UTC
From: Robert S. Lonn
Topic: 986 Message: 987

Lio, can you explain this a bit more please. I am Not Sure what you are asking???

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: Tuesday, February 09, 2016 3:29 AM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Hi Group !

can I have good result by the amazing Lowe HF-150 and Computer SDR Software PBT for CW and Digital Mode operation (Variable Pass Band DSP Filetring via PC) ?

Regards,

Lio, IZ2BKO

988. Re: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Yahoo group: Lowe_Receivers
Date: 2016-02-09 16:59:07 UTC
From: Lionello Arosio Architetto
Topic: 986 Message: 988

Hi Robert,

My interest is on CW and Digital Modes (RTTY, Sitor, Navtex, DSC...).

This modes need 170 Hz, 200 Hz, 450 Hz 500 Hz of selectivity.

Lowe HF-150 give good result on this modes by PC based DSP Pass Band Filter like Br-Universal-Filt http://www.dsp4swls.de/dsp/br_uni_filteng.html ?

Lio, IZ2BKO

----- Original Message -----
From: 'Robert S. Lonn' roblonn@cox.net [Lowe_Receivers]
To: Lowe_Receivers@yahoogroups.com
Sent: Tuesday, February 09, 2016 5:00 PM
Subject: RE: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Lio, can you explain this a bit more please. I am Not Sure what you are asking???

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: Tuesday, February 09, 2016 3:29 AM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Hi Group !

can I have good result by the amazing Lowe H F-150 and Computer SDR Software PBT for CW and Digital Mode operation (Variable Pass Band DSP Filetring via PC) ?

Regards,

Lio, IZ2BKO

989. Re: [Lowe_Receivers] new member intro

Yahoo group: Lowe_Receivers
Date: 2016-02-09 17:30:26 UTC
From: numptydad349@...
Topic: 984 Message: 989

Hello John many thanks for the reply and its welcome.

I had a frequency counter, long gone like the other stuff, and I seem to remember hooking it up to possibly the Racal, but can't for the life of me remember whether there was some sort of RF output at the back (I'll google the Racal arrangement anyway) or whether I need to somehow get inside the SRX and connect to something there..
What do you think?

best wishes
David

990. RE: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Yahoo group: Lowe_Receivers
Date: 2016-02-10 15:57:11 UTC
From: Robert S. Lonn
Topic: 986 Message: 990
Attachments: 1 described; binary payloads are missing from this source WARC

OK, I understand what your now saying now… For all my DX hunting I use several receivers, Drake R8B and JRC NRD-545.. I still have a MILITARY version of the Universal M-8000 decoder… I guess I just like flashing lights! J

http://rxcontrol.free.fr/Receivers/M8000/M8000-FT.jpg

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: Tuesday, February 09, 2016 8:59 AM
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

□

Hi Robert,

My interest is on CW and Digital Modes (RTTY, Sitor, Navtex, DSC...).

This modes need 170 Hz, 200 Hz, 450 Hz 500 Hz of selectivity.

Lowe HF-150 give good result on this modes by PC based DSP Pass Band Filter like Br-Universal-Filt http://www.dsp4swls.de/dsp/br_uni_filteng.html ?

Lio, IZ2BKO

----- Original Message -----

From: 'Robert S. Lonn' roblonn@... [Lowe_Receivers]
<mailto:roblonn@cox.net%20[Lowe_Receivers]>

To: Lowe_Receivers@yahoogroups.com

Sent: Tuesday, February 09, 2016 5:00 PM

Subject: RE: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Lio, can you explain this a bit more please. I am Not Sure what you are asking???

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: Tuesday, February 09, 2016 3:29 AM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Hi Group !

can I have good result by the amazing Lowe H F-150 and Computer SDR Software PBT for CW and Digital Mode operation (Variable Pass Band DSP Filetring via PC) ?

Regards,

Lio, IZ2BKO

991. Re: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Yahoo group: Lowe_Receivers
Date: 2016-02-10 17:11:48 UTC
From: Lionello Arosio Architetto
Topic: 986 Message: 991
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Robert,

My question is another:

The Lowe HF-150 Bandwidh Filetr is for AM (6,0 Khz) and SSB (2,7 Khz).

Can I have good result in CW operation by esternal 500 Hz ausio filter (DSP Software) ?

Lio, IZ2BKO

PS: can You give me JRC 545 DSO V/s Drake R8B Comparison performance on utility DX ?

----- Original Message -----
From: 'Robert S. Lonn' roblonn@... [Lowe_Receivers]
To: Lowe_Receivers@yahoogroups.com
Sent: Wednesday, February 10, 2016 4:57 PM
Subject: RE: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

OK, I understand what your now saying now… For all my DX hunting I use several receivers, Drake R8B and JRC NRD-545.. I still have a MILITARY version of the Universal M-8000 decoder… I guess I just like flashing lights! J

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: Tuesday, February 09, 2016 8:59 AM
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

□

Hi Robert,

My interest is on CW and Digital Modes (RTTY, Sitor, Navtex, DSC...).

This modes need 170 Hz, 200 Hz, 450 Hz 500 Hz of selectivity.

Lowe HF-150 give good result on this modes by PC based DSP Pass Band Filter like Br-Universal-Filt http://www.dsp4swls.de/dsp/br_uni_filteng.html ?

Lio, IZ2BKO

----- Original Message -----

From: 'Robert S. Lonn' roblonn@... [Lowe_Receivers]

To: Lowe_Receivers@yahoogroups.com

Sent: Tuesday, February 09, 2016 5:00 PM

Subject: RE: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Lio, can you explain this a bit more please. I am Not Sure what you are asking???

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: Tuesday, February 09, 2016 3:29 AM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Hi Group !

can I have good result by the amazing Lowe H F-150 and Computer SDR Software PBT for CW and Digital Mode operation (Variable Pass Band DSP Filetring via PC) ?

Regards,

Lio, IZ2BKO

992. Re: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Yahoo group: Lowe_Receivers
Date: 2016-02-10 23:34:14 UTC
From: R Lonn
Topic: 986 Message: 992

The big advantage of narrow IF filters built into the radio is to eliminate strong adjacent signals.However a audio filter can also give fairly good results as well. Utility stations normally are not in a crowded band condition, like signals inside the armature bands..

It is hard to beat the DSP features of the NRD-545 Receiver when tuning in RTTY, CW or other utilities stations.. However listen to SWL stations for long periods of time I prefer the Drake.. Then it is hard to beat a Collins R-390 receiver. Smooth Audio and a Very Quiet receiver.. Just sounds GREAT...

Sent from my iPad

> On Feb 10, 2016, at 9:11 AM, 'Lionello Arosio Architetto' lionelloarosio@tin.it [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:
>
> □
>
> Hi Robert,
>
> My question is another:
>
> The Lowe HF-150 Bandwidh Filetr is for AM (6,0 Khz) and SSB (2,7 Khz).
>
> Can I have good result in CW operation by esternal 500 Hz ausio filter (DSP Software) ?
>
> Lio, IZ2BKO
>
> PS: can You give me JRC 545 DSO V/s Drake R8B Comparison performance on utility DX ?
>
> ----- Original Message -----
> From: 'Robert S. Lonn' roblonn@... [Lowe_Receivers]
> To: Lowe_Receivers@yahoogroups.com
> Sent: Wednesday, February 10, 2016 4:57 PM
> Subject: RE: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode
>
>
> OK, I understand what your now saying now… For all my DX hunting I use several receivers, Drake R8B and JRC NRD-545.. I still have a MILITARY version of the Universal M-8000 decoder… I guess I just like flashing lights! J
>
>
> <image003.jpg>
>
>
>
>
>

> From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
> Sent: Tuesday, February 09, 2016 8:59 AM
> To: Lowe_Receivers@yahoogroups.com
> Subject: Re: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode
>
>
>
>
> □
>
> Hi Robert,
>
>
> My interest is on CW and Digital Modes (RTTY, Sitor, Navtex, DSC...).
>
>
> This modes need 170 Hz, 200 Hz, 450 Hz 500 Hz of selectivity.
>
>
> Lowe HF-150 give good result on this modes by PC based DSP Pass Band Filter like Br-Universal-Filt
http://www.dsp4swls.de/dsp/br_uni_filteng.html ?
>
>
> Lio, IZ2BKO
>
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> Lio, IZ2BKO
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>
>

993. Re: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Yahoo group: Lowe_Receivers
Date: 2016-02-11 07:52:03 UTC
From: Lionello Arosio Architetto
Topic: 986 Message: 993

Hi Robert,

Thank'You for Rewview.

Friend of mine give me an R8B and I know the incredible audio quality on Broadcast Bands.

My interest is for Utility Monitoring, so, I tink the NRD 545 DSP is better.

Regards,

Lio, IZ2BKO

----- Original Message -----
From: R Lonn roblonn@... [Lowe_Receivers]
To: Lowe_Receivers@yahoogroups.com
Sent: Thursday, February 11, 2016 12:34 AM
Subject: Re: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

The big advantage of narrow IF filters built into the radio is to eliminate strong adjacent signals.However a audio filter can also give fairly good results as well. Utility stations normally are not in a crowded band condition, like signals inside the armature bands..

It is hard to beat the DSP features of the NRD-545 Receiver when tuning in RTTY, CW or other utilities stations.. However listen to SWL stations for long periods of time I prefer the Drake.. Then it is hard to beat a Collins R-390 receiver. Smooth Audio and a Very Quiet receiver.. Just sounds GREAT...

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Lio, IZ2BKO

PS: can You give me JRC 545 DSO V/s Drake R8B Comparison performance on utility DX ?

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To: Lowe_Receivers@yahoogroups.com

Sent: Wednesday, February 10, 2016 4:57 PM
Subject: RE: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

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<image003.jpg>

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Sent: Tuesday, February 09, 2016 8:59 AM
To: Lowe_Receivers@yahoogroups.com
Subject: Re: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

□

Hi Robert,

My interest is on CW and Digital Modes (RTTY, Sitor, Navtex, DSC...).

This modes need 170 Hz, 200 Hz, 450 Hz 500 Hz of selectivity.

Lowe HF-150 give good result on this modes by PC based DSP Pass Band Filter like Br-Universal-Filt http://www.dsp4swls.de/dsp/br_uni_filteng.html ?

Lio, IZ2BKO

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To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

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Regards,

Lio, IZ2BKO

994. Re: [Lowe_Receivers] Lowe HF-150 CW and Dgital Mode

Yahoo group: Lowe_Receivers
Date: 2016-02-12 23:17:09 UTC
From: JRTOW3RD@...
Topic: 986 Message: 994

The HF-150's narrow filter, officially listed as 2.5 kHz BW, is just too wide for CW. Even with the best of audio DSP filters, the set's AGC is controlled by the strongest signal in it's IF passband - and there is no way to defeat the AGC and implement a MGC. I would suggest that my HF-150 is very slightly bested by my HF-225, as it has a simple (poor BW shape factor) audio filter centered at 800 Hz - and can still use the SSB 2.2 kHz BW filter as it's tightest - again, stronger adjacent frequency signals within the 2.2 kHz BW will control the AGC. The Drake R8 family have a dedicated BW filter (My R8 has a 0.5 kHz CW BW.) and passband tuning for some steering of the CW BW. It's the best CW receiver I have! My JRC NRD-525 was optimized for AM reception, as I had an R390A when I bought the JRC rcvr (I opted for a 1.8 kHz & 3.3 kHz BW filters instead of a narrow CW filter.). The R390A runs the signal through a half-wave crystal filter and the 2 kHz BW mechanical filter - with excellent shielding - to yield 0.1 and 1 kHz CW BW. Add a variable BFO - AGC off and RF gain control - and a switchable LC audio CW filter - and you'll see why, despite it's lacking a product detector and audio derived AGC, it was - and still is - great CW rcvr. It's 455 kHz IF output and AGC available on a back panel terminal strip makes external adapters easy to implement. It is one huge/heavy/power hungry/mechanically complex radio, however! The HF-150 consumes a little over the power it takes to light the R390A's dial light - or one of it's 5749 (6BA6) tube!

995. HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-02-13 14:15:05 UTC
From: pavilion@...
Topic: 995 Message: 995

I found an HF3 in our marina's "free-cycle" area - an HF3 for free! The case cleaned up quickly. The background on the screen has some sort of marking, but the LCD digits are clear and nothing's missing - no harm done. I had to come with a regulated 12V supply (boat voltage ranges between 14.2 and the lower 12's depending on charging and discharging rates).

The initial problems were a lot of noise at the speaker, intermittent receiver static hiss (no antenna attached), and no response to the tuning knob.

Problems one and two were quickly resolved with a healthy dose of contact cleaner and vigorous volume knob-turning. The last issue was resolved when I figured out just what the tuning mechanism was. I cleaned the photocell assembly and the tuner "woke up". Armed with a PDF of the manual, I quickly checked out the memory functions. No problem there. Using a simple long wire antenna on a spool, "borrowed" from a Sony SWL receiver, I tried some likely frequencies with mixed results. WWV on 5, 10, and 15 MHz were initially inaudible although a religious station at 5.014 MHz was moderately strong. (All of this from Stuart, Fl - roughly 27N, 80W). I found some SW broadcast stations, and the local AM broadcast station, WSTU 1.450 was quite strong. The transmitter, however, is a little over a mile away. However other nearby AM broadcast stations were not heard. I compared the HF3's audio with our boat's Icom M-802 marine/ham SSB transceiver. WWV was hard to miss at 10.000 and 15.000, while the HF3 could just pull out the signal at 10.000.

All of this leads to the conclusion that the HF3 fundamentally works with AM and SSB signals, but its sensitivity is seriously out of spec. At the moment, all I have is the manual and the AKD schematic (components but no values). Aside from the 802 and the Sony receiver, the only other electrical test equipment is a smart DVM that includes a frequency counter. Any advice about trying to touch up the receiver to improve its sensitivity will be most welcome.

Rick Emerson
KC3DOO/MM

996. RE: [Lowe_Receivers] HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-02-13 21:36:07 UTC
From: Robert S. Lonn
Topic: 995 Message: 996

Great Catch.. When you said MARINA, well some folks just don’t protect equipment from Salt Water environment.. Here in San Diego I come across a lot of radios that USE TO be on boats, but the best finds are the ones from the Navy or Coastguard.. Some good catches over the years…

Marine Radios = Cans Of Tuner Cleaner! J

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: Saturday, February 13, 2016 6:15 AM
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF3/SX100 with poor sensitivity

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Rick Emerson
KC3DOO/MM

997. RE: [Lowe_Receivers] HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-02-14 03:36:13 UTC
From: <pavilion@...>
Topic: 997 Message: 997

Amazingly, the interior of the radio as clean gear of the same age, who never went to sea. The exterior had the remains of double-sided tape and added foot pads, all now gone. There was some mystery crud (dirt and mildew?) as well, also cleaned up. Aside from a case of "peanut butter in the ears", I really am at a loss to explain why the radio ended up in the free-cycle area.

.Anyway... The first question is whether some sort of block diagram is available. I'm better at using this gear than fixing it. Having some additional support for the somewhat ...um... elliptical schematic would help a lot. Past that, some guidance through a check of the receiver's alignment, or lack of it, will welcomed.

Rick Emerson
KC3DOO/MM

998. Re: HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-02-19 15:59:58 UTC
From: pavilion@...
Topic: 995 Message: 998

BUMP Still looking for more detailed info on this rascal.

Rick Emerson
KC3DOO/MM

999. RE: [Lowe_Receivers] HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-02-20 20:15:57 UTC
From: mikemaghakian@...
Topic: 995 Message: 999

schematic:

http://www.mds975.co.uk/Content/akdhf3.html http://www.mds975.co.uk/Content/akdhf3.html

1000. Re: [Lowe_Receivers] HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-02-26 18:59:36 UTC
From: Richard B. Emerson
Topic: 995 Message: 1000

I have those prints. It's frustrating that there are no values for the components.

Rick Emerson
KC3DOO/MM

On 2/20/2016 3:15 PM, mikemaghakian@... [Lowe_Receivers] wrote:
>
>
> schematic:
>
> http://www.mds975.co.uk/Content/akdhf3.html
>
>

1001. Looking for HF-225 Knob

Yahoo group: Lowe_Receivers
Date: 2016-02-27 18:50:28 UTC
From: darobin12001@...
Topic: 1001 Message: 1001

Looking for a spare Lowe HF-225 main tuning knob.....

Thanks

1002. Re: [Lowe_Receivers] Looking for HF-225 Knob

Yahoo group: Lowe_Receivers
Date: 2016-02-27 21:51:14 UTC
From: crabtreejr@...
Topic: 1001 Message: 1002

Who are you, and where are you?

73 John KC0G

-----Original Message-----
From: darobin12001@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Sat, Feb 27, 2016 6:50 pm
Subject: [Lowe_Receivers] Looking for HF-225 Knob

Looking for a spare Lowe HF-225 main tuning knob.....

Thanks

1003. Re: [Lowe_Receivers] Looking for HF-225 Knob

Yahoo group: Lowe_Receivers
Date: 2016-02-28 01:27:23 UTC
From: darobin12001@...
Topic: 1001 Message: 1003

Yes, I am in Maryland.....

Dan

1004. New HF-225 - need prod date please!

Yahoo group: Lowe_Receivers
Date: 2016-03-02 22:30:55 UTC
From: JRTOW3RD@...
Topic: 1004 Message: 1004

I just received an excellent condition HF-225. My first one was bought 12/13 and has a serial number of 090XY while the one today is 040VW. Can someone help me determine the date of production of these receivers? I find the Files info confusing. Thanks!

Oh - I wanted some spare parts!

John Tow

1006. Re: New HF-225 - need prod date please!

Yahoo group: Lowe_Receivers
Date: 2016-03-09 18:25:04 UTC
From: numptydad349@...
Topic: 1004 Message: 1006

Hi JRTOW , the build date info can be found in Files for HF225

regards
Dave

1007. Talking about the HF225.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-09 18:38:01 UTC
From: numptydad349@...
Topic: 1007 Message: 1007

Hi all, I've just received an HF225, source ebay, as is usual these days, I spose. I have tried it briefly, and judging by some iffy on/off events, it looks like some careful cleaning of contacting parts are needed, such as antenna connections.
Anyway I feel the freq display and signal strength meter are dimmer than they should be, has anyone any ideas for improving this , or are replacement parts available anywhere, not that I'm looking to replace an LED display.

There is also heavy mains hum, as I had only used a cheap PSU, I have reverted to a battery supply for the time being which has solved that one pro tem. Can anyone suggest a suitable PSU, please?

All suggestions welcome and will be gratefully received.

all the best
Dave

1008. RE: [Lowe_Receivers] Talking about the HF22 5.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-09 22:40:09 UTC
From: <pavilion@...>
Topic: 1008 Message: 1008

A spray can of contact cleaner will help with noisy contacts.

I can't help with the PSU but maybe it's best to go back to eBay?

Could it be the dim display is the result of low voltage to the radio?

Rick Emerson
KC3DOO

-------- Original Message --------
Subject: [Lowe_Receivers] Talking about the HF225.....just got
one
From: "numptydad349@... [Lowe_Receivers]"
<Lowe_Receivers@yahoogroups.com>
Date: Wed, March 09, 2016 1:38 pm
To: <Lowe_Receivers@yahoogroups.com>

Hi all, ?I've just received an HF225, source ebay, as is usual these days, I spose. ?I have tried it briefly, and judging by some iffy on/off events, it looks like some careful cleaning of contacting parts are needed, such as antenna connections.
Anyway I feel the freq display and signal strength meter are dimmer than they should be, has anyone any ideas for improving this , or are replacement parts available anywhere, not that I'm looking to replace an LED display.

There is also heavy mains hum, as I had only used a cheap PSU, I have reverted to a battery supply for the time being which has solved that one pro tem. ?Can anyone suggest a suitable PSU, please?

All suggestions welcome and will be gratefully received.

all the best
Dave?

1009. Re: [Lowe_Receivers] Talking about the HF225.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-09 23:29:37 UTC
From: Harold Hermanns
Topic: 1008 Message: 1009

Not sure if you are in the USA, but I use a Jameco Reliapro power supply part number 170245. (Jameco.com) it's a 12V supply @ 1 Amp. It's also a regulated supply, so you won't get the Hum like a cheap p/s. The dim display is common. I've owned 3 HF-225's in my life, and all 3 had a very dim display.

Try some Deoxit for your noisy contacts. Spray a little in a cup and use a Q-tip for application for sensitive area's.

How is the sensitivity of the receiver?

Your protected against a seller on Ebay who does not provide correct info, so send it back if not satisfied.

hth999

On 3/9/2016 5:40 PM, pavilion@... [Lowe_Receivers] wrote:
>
> A spray can of contact cleaner will help with noisy contacts.
>
> I can't help with the PSU but maybe it's best to go back to eBay?
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> KC3DOO
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> -------- Original Message --------
> Subject: [Lowe_Receivers] Talking about the HF225.....just got
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> From: "numptydad349@... <mailto:numptydad349@...>
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> <Lowe_Receivers@yahoogroups.com
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> this , or are replacement parts available anywhere, not that I'm
> looking to replace an LED display.
>
> There is also heavy mains hum, as I had only used a cheap PSU, I
> have reverted to a battery supply for the time being which has
> solved that one pro tem. Can anyone suggest a suitable PSU, please?
>
>
> All suggestions welcome and will be gratefully received.
>
> all the best
> Dave
>
>
>

1010. RE: [Lowe_Receivers] Talking about the HF22 5.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-10 02:36:33 UTC
From: JRTOW3RD@...
Topic: 1008 Message: 1010

Radio Shacks did carry their aerosol pressurized cans of "Control/Contact Cleaner and Lubricant", whose propellant is safe for most plastics. I recently received my second HF-225 in two+ years. This one looks brand new - and came with the AMS/FM board and keypad, as well as a Jameco Reliapro #170245 regulated analog wall wart - $14.95/ea in small numbers (+s/h) - just like I power my other HF-225, R30A, and other common equipment with (It really is a bargain!). It is available with other coaxial plugs, too. My second HF-225, unlike my first one, did not include the whip pre-amp - a fact I initially couldn't verify due to the usual dirty antenna switch contacts. A spritz via the small tube into the switch - maybe a second one for good measure - while working the switch back and forth - should fix it. I bought my HF & PR-150's new from EEB over 20 yr ago - and it's similar switch has had to be cleaned several times - as has the pb switches on the PR-150. No smokers here but cats rule the roost. I think that the antenna switch is a common problem - as is the set's operation on a poor power supply. Clean the contacts and run it off a 12V 'Jump Start' (A large 12V SLA battery.) - if it works well - trash that power supply and get a Jameco #170245! The S-meter and LCD illumination is weak on every HF-225 I have ever seen. I bought my second one as an organ donor to keep my original one functioning... it looks like it came right off the Lowe production line - it really looks new. They really sound great through a decent speaker using AMS and 10 kHz BW.

I tried opening the prod date vs s/n file and it makes no sense to me - anyone else understand it? Thanks!

John

1011. Re: New HF-225 - need prod date please!

Yahoo group: Lowe_Receivers
Date: 2016-03-10 02:54:30 UTC
From: JRTOW3RD@...
Topic: 1004 Message: 1011

Amazing how much more readable the HF-225 'Build Date' file is when you open it with Wordpad instead of Notepad! The older unit, sn 09xyz, was built in 1989, while the one I just bought, sn 04tuv, was from 1994. Additionally, I found that mt HF-150 sn 1707xy, was from Feb 1997!
John

1012. Re: [Lowe_Receivers] Talking about the HF225.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-10 08:28:13 UTC
From: David Chadwick
Topic: 1008 Message: 1012

thanks Rick, I agree it might be low voltage, I'll see if contact cleaner improves things, and go from there, kind regards
Dave

On 9 March 2016 at 22:40, pavilion@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> A spray can of contact cleaner will help with noisy contacts.
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> Rick Emerson
> KC3DOO
>
>
>
> -------- Original Message --------
> Subject: [Lowe_Receivers] Talking about the HF225.....just got
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> From: "numptydad349@... [Lowe_Receivers]"
> <Lowe_Receivers@yahoogroups.com>
> Date: Wed, March 09, 2016 1:38 pm
> To: <Lowe_Receivers@yahoogroups.com>
>
>
>
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> all the best
> Dave
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1013. Re: [Lowe_Receivers] Talking about the HF225.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-10 08:32:12 UTC
From: David Chadwick
Topic: 1008 Message: 1013

Thanks Harold,
I,m happy with the radio, so no need for any unpleasantness, and the bloke
did me a good deal. Thanks for the hints, I'm sure all will be well.

kind regards
Dave

On 9 March 2016 at 23:29, Harold Hermanns halhermanns@...
[Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:

>
>
> Not sure if you are in the USA, but I use a Jameco Reliapro power supply
> part number 170245. (Jameco.com) it's a 12V supply @ 1 Amp. It's also a
> regulated supply, so you won't get the Hum like a cheap p/s. The dim
> display is common. I've owned 3 HF-225's in my life, and all 3 had a very
> dim display.
>
> Try some Deoxit for your noisy contacts. Spray a little in a cup and use a
> Q-tip for application for sensitive area's.
>
> How is the sensitivity of the receiver?
>
> Your protected against a seller on Ebay who does not provide correct info,
> so send it back if not satisfied.
>
> hth999
>
> On 3/9/2016 5:40 PM, pavilion@... [Lowe_Receivers] wrote:
>
>
>
> A spray can of contact cleaner will help with noisy contacts.
>
> I can't help with the PSU but maybe it's best to go back to eBay?
>
> Could it be the dim display is the result of low voltage to the radio?
>
> Rick Emerson
> KC3DOO
>
>
>
> -------- Original Message --------
> Subject: [Lowe_Receivers] Talking about the HF225.....just got
> one

> From: "numptydad349@... [Lowe_Receivers]"
> <Lowe_Receivers@yahoogroups.com>
> Date: Wed, March 09, 2016 1:38 pm
> To: <Lowe_Receivers@yahoogroups.com>
>
>
>
> Hi all, I've just received an HF225, source ebay, as is usual these days,
> I spose. I have tried it briefly, and judging by some iffy on/off events,
> it looks like some careful cleaning of contacting parts are needed, such as
> antenna connections.
> Anyway I feel the freq display and signal strength meter are dimmer than
> they should be, has anyone any ideas for improving this , or are
> replacement parts available anywhere, not that I'm looking to replace an
> LED display.
>
> There is also heavy mains hum, as I had only used a cheap PSU, I have
> reverted to a battery supply for the time being which has solved that one
> pro tem. Can anyone suggest a suitable PSU, please?
>
>
> All suggestions welcome and will be gratefully received.
>
> all the best
> Dave
>
>
>
>
>

1014. Re: [Lowe_Receivers] Talking about the HF22 5.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-10 08:33:58 UTC
From: David Chadwick
Topic: 1008 Message: 1014

Hello John,
Wow, all that gear, now you're just showing off!

Anyway, thanks for the information, I'm very happy with the set, it performs well, it was just the dimness I couldn't figure.

kind regards
Dave

On 10 March 2016 at 02:36, JRTOW3RD@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> Radio Shacks did carry their aerosol pressurized cans of "Control/Contact
> Cleaner and Lubricant", whose propellant is safe for most plastics. I
> recently received my second HF-225 in two+ years. This one looks brand new
> - and came with the AMS/FM board and keypad, as well as a Jameco Reliapro
> #170245 regulated analog wall wart - $14.95/ea in small numbers (+s/h) -
> just like I power my other HF-225, R30A, and other common equipment with
> (It really is a bargain!). It is available with other coaxial plugs, too.
> My second HF-225, unlike my first one, did not include the whip pre-amp - a
> fact I initially couldn't verify due to the usual dirty antenna switch
> contacts. A spritz via the small tube into the switch - maybe a second one
> for good measure - while working the switch back and forth - should fix it.
> I bought my HF & PR-150's new from EEB over 20 yr ago - and it's similar
> switch has had to be cleaned several times - as has the pb switches on the
> PR-150. No smokers here but cats rule the roost. I think that the antenna
> switch is a common problem - as is the set's operation on a poor power
> supply. Clean the contacts and run it off a 12V 'Jump Start' (A large 12V
> SLA battery.) - if it works well - trash that power supply and get a Jameco
> #170245! The S-meter and LCD illumination is weak on every HF-225 I have
> ever seen. I bought my second one as an organ donor to keep my original one
> functioning... it looks like it came right off the Lowe production line -
> it really looks new. They really sound great through a decent speaker using
> AMS and 10 kHz BW.
>
> I tried opening the prod date vs s/n file and it makes no sense to me -
> anyone else understand it? Thanks!
>
> John
>
>

1015. Re: [Lowe_Receivers] Talking about the HF22 5.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-10 19:30:06 UTC
From: numptydad349@...
Topic: 1008 Message: 1015

Right then, I got a regulated psu from our local hardware shop, just a chap and his two sisters, makes a change to the chain stores, and he carries all kinds of household stuff, like an old fashioned Ironmonger, really. Anyway, this PSU has solved the mains hum , and I've gently cleaned antenna and other orifices of muck and dust, took off the covers and removed a few cobwebs, I'll leave the rest of the treatment up to what an old wireless hand described as "gerrin a few Watts oop t'stack" or in this case down. I saw while the covers were off that the light on the signal meter is a single, very feeble and tiny LED, and as I had already begun thinking about an independently powered backlighting set-up for my soon to depart Target HF3 - (going in aid of the purchase of the HF225) I'll transfer that effort to the new arrival.
(My word don't I ramble on?)
Another thing I hope to get with the proceeds from the sale, is one of Dennis's Keypads , I had one with an HF150 of dear departed memory, and it really was a boon.

I've been listening on 3.763 to the Royal Signals natter net tonight, while setting some memories into the 225, and comparing it to the SRX30D - different animals certainly, but I'm in no hurry to lose the old girl having not long had her. Quite a different technique, and while the HF225 can with its 8 hz tuning steps, separate the signals, it is possible with a steady hand to resolve SSB without the use of the clarifier on the SRX30d

So, a happy camper so far, and thanks to John, Herman and Rick for your help

73

Dave G0SKK
.

1016. Fraser?.....Fancy 225 front panel , pics in Gallery

Yahoo group: Lowe_Receivers
Date: 2016-03-10 20:19:34 UTC
From: numptydad349@...
Topic: 1016 Message: 1016

Fraser, is there a story somewhere in the archives re the v. superior front panel shown being fitted to an HF225 - if so, where can I get one, or how do I do one? I have input "Fenu Radio" but no results

in hopes
Dave G0SKK

1017. RE: [Lowe_Receivers] Talking about the HF22 5.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-10 20:23:05 UTC
From: <pavilion@...>
Topic: 1017 Message: 1017

While a few watts oop t'stack might clear a transmitter's throat, as it were, t'other way might clear a bit more than a throat... Do keep in mind that once the magic smoke comes out of a device, it generally stops working... LOL

Best of luck with your newest pride and joy.

Rick Emerson
KC3DOO

-------- Original Message --------
Subject: Re: [Lowe_Receivers] Talking about the HF22 5.....just
got one
From: "numptydad349@... [Lowe_Receivers]"
<Lowe_Receivers@yahoogroups.com>
Date: Thu, March 10, 2016 2:30 pm
To: <Lowe_Receivers@yahoogroups.com>

Right then, ?I got a regulated psu from our local hardware shop, just a ?chap and his two sisters, makes a change to the chain stores, and he carries all kinds of household stuff, like an old fashioned Ironmonger, really. Anyway, this PSU has solved the mains hum , and I've gently cleaned antenna and other orifices of muck and dust, took off the covers and removed a few cobwebs, I'll leave the rest of the treatment up to what an old wireless hand described as ?"gerrin a few Watts oop t'stack" or in this case down.?
I saw while the covers were off that the light on the signal meter is a single, ?very feeble ?and tiny LED, and as I had already begun thinking about an independently powered backlighting set-up for my soon to depart Target HF3 - (going in aid of the purchase of the HF225) ?I'll transfer that effort to the new arrival.?
(My word don't I ramble on?)
Another thing I hope to get with the proceeds from the sale, is one of Dennis's Keypads , I had one with an HF150 of dear departed memory, and it really was a boon.

I've been listening on 3.763 ?to the Royal Signals natter net tonight, while setting some memories into the 225, and comparing it to the SRX30D - ?different animals certainly, but I'm in no hurry to lose the old girl having not long had her. ?Quite a different technique, and while the HF225 can with its 8 hz tuning steps, separate the signals, it is possible with a steady hand to resolve SSB without the use of the clarifier on the SRX30d

So, a happy camper so far, and thanks to John, Herman and Rick for your help

73

Dave G0SKK
.

1018. RE: [Lowe_Receivers] Talking about the HF22 5.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-11 08:37:13 UTC
From: numptydad349@...
Topic: 1017 Message: 1018

point taken Rick, I was only speaking figuratively o'course, in the sense that maybe some use would do the radio good, as it gives the impression of not having been used, at least judging by the grubby contacts and cobwebs inside, and even some stiffness with the main tuning knob,

Thanks for the good wishes,

all the best
Dave

1019. RE: [Lowe_Receivers] Talking about the HF22 5.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-11 12:19:00 UTC
From: <pavilion@...>
Topic: 1017 Message: 1019

"Two nations separated by a common language" strikes again. My remark was intended as humor. :-)

Rick Emerson
KC3DOO

-------- Original Message --------
Subject: RE: [Lowe_Receivers] Talking about the HF22 5.....just
got one
From: "numptydad349@... [Lowe_Receivers]"
<Lowe_Receivers@yahoogroups.com>
Date: Fri, March 11, 2016 3:37 am
To: <Lowe_Receivers@yahoogroups.com>

point taken ?Rick, I was only speaking figuratively o'course, in the sense that maybe some use ?would do the radio good, as it gives the impression of not having been used, at least judging by the grubby contacts and cobwebs inside, and even some stiffness with the main tuning knob,

Thanks for the good wishes,

all the best
Dave

1020. Re: [Lowe_Receivers] Talking about the HF22 5.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-11 13:25:35 UTC
From: David Chadwick
Topic: 1017 Message: 1020

Ah ! Winston Churchill now, is it?

atb

Dave

On 11 March 2016 at 12:19, pavilion@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> "Two nations separated by a common language" strikes again. My remark was
> intended as humor. :-)
>
> Rick Emerson
> KC3DOO
>
> -------- Original Message --------
> Subject: RE: [Lowe_Receivers] Talking about the HF22 5.....just
> got one
> From: "numptydad349@... [Lowe_Receivers]"
> <Lowe_Receivers@yahoogroups.com>
> Date: Fri, March 11, 2016 3:37 am
> To: <Lowe_Receivers@yahoogroups.com>
>
>
>
> point taken Rick, I was only speaking figuratively o'course, in the sense
> that maybe some use would do the radio good, as it gives the impression of
> not having been used, at least judging by the grubby contacts and cobwebs
> inside, and even some stiffness with the main tuning knob,
>
> Thanks for the good wishes,
>
> all the best
> Dave
>
>
>
>
>
>

1021. RE: [Lowe_Receivers] Talking about the HF22 5.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-11 13:34:44 UTC
From: JRTOW3RD@...
Topic: 1017 Message: 1021

One other suggestion re preserving the SO-239 (UHF female) connector, which is board mounted and a tough job to replace. I use a female BNC to male UHF adapter on all of my radios with BNC male - BNC male 0.5m RG-174 cables connecting the radios (4 for $15 shipped from evil-bay). They put a lot less stress on the connector than does the typical PL-259 & RG-58 cable. Also, a tempermental connector was cured by spritzing that adjacent cheesy slide switch for Whip-Norm-Atten selection and working it back and forth - on both HF-225's and my HF-150. Good luck!

John

1022. RE: [Lowe_Receivers] Talking about the HF22 5.....just got one

Yahoo group: Lowe_Receivers
Date: 2016-03-12 03:06:32 UTC
From: <pavilion@...>
Topic: 1017 Message: 1022

AFAIK the source is unclear. It's been attributed to George Bernard Shaw but that's not right, either.

Rick Emerson
KC3DOO

-------- Original Message --------
Subject: Re: [Lowe_Receivers] Talking about the HF22 5.....just
got one
From: "David Chadwick numptydad349@... [Lowe_Receivers]"
<Lowe_Receivers@yahoogroups.com>
Date: Fri, March 11, 2016 8:25 am
To: Lowe_Receivers@yahoogroups.com

Ah ! ? Winston Churchill now, is it?

atb

Dave

On 11 March 2016 at 12:19, pavilion@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
wrote:

?

"Two nations separated by a common language" strikes again. My remark was intended as humor. :-)

Rick Emerson
KC3DOO

-------- Original Message --------
Subject: RE: [Lowe_Receivers] Talking about the HF22 5.....just
got one
From: "numptydad349@... [Lowe_Receivers]"
<Lowe_Receivers@yahoogroups.com>
Date: Fri, March 11, 2016 3:37 am
To: <Lowe_Receivers@yahoogroups.com>

point taken ?Rick, I was only speaking figuratively o'course, in the sense that maybe some use ?would do the radio good, as it gives the impression of not having been used, at least judging by the grubby contacts and cobwebs inside, and even some stiffness with the main tuning knob,

Thanks for the good wishes,

all the best
Dave

1023. Re: [Lowe_Receivers] HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-03-14 20:39:13 UTC
From: pavilion@...
Topic: 995 Message: 1023

(bump)

I'm still looking for more than the ...um... less than complete schematic(s). Or maybe someone's successfully aligned one of these puppies?

Rick Emerson
KC3DOO

1024. Re: New keypad arrived... nice!

Yahoo group: Lowe_Receivers
Date: 2016-04-13 16:41:19 UTC
From: numptydad349@...
Topic: 977 Message: 1024

I've also recently had a "Dennis Special" keypad, and am very pleased with it, highly recommended.

thanks Dennis,

David

1025. Europa on Ebay

Yahoo group: Lowe_Receivers
Date: 2016-04-14 20:51:25 UTC
From: darobin12001@...
Topic: 1025 Message: 1025

Just wanted to alert group members -- my HF-225 Europa
is now on Ebay. Lowe leather case and keypad with original
box included

http://www.ebay.com/itm/272211222271?ssPageName=STRK:MESELX:IT&_trksid=p3984.m1555.l2649 http://www.ebay.com/itm/272211222271?ssPageName=STRK:MESELX:IT&_trksid=p3984.m1555.l2649

1026. Batteries in a hf225

Yahoo group: Lowe_Receivers
Date: 2016-04-18 20:04:39 UTC
From: worthwhilerepairs@...
Topic: 1026 Message: 1026

Hi All
Have any of you guys put rechargables in the HF225.
I have not got the origional kit but am hoping to get two battery holders and go from there.
Can anyone give me details of the wiring if possible especially to the main board
Many thanks
Merv

1027. Re: Batteries in a hf225

Yahoo group: Lowe_Receivers
Date: 2016-04-19 07:30:39 UTC
From: numptydad349@...
Topic: 1026 Message: 1027

Hi Merv, I'd like to do the same, and found an Owner's Manual somewhere on the web, I think, cricuit diagrams towards the end of same, Page 24 shows a 4 pin fitting, marked J13 for Battery Pack connection.

I just found Service Manual , link here
http://www.rigpix.com/lowe/hf225_service.pdf http://www.rigpix.com/lowe/hf225_service.pdf

Hope this helps, let us know how it went, then I may be less worried about reducing my own set to a smoking ruin :)

regards
David

1028. Re: Batteries in a hf225

Yahoo group: Lowe_Receivers
Date: 2016-04-19 19:14:20 UTC
From: worthwhilerepairs@...
Topic: 1026 Message: 1028

well the sheet that comes with the options on it says the plug can be put in either way...
and by deduction it is
- + + - the only thing is whats the wiring on the other end..
Have just done / changed the lcd backlights and it is miles better and did not require the front panel being taken off, although you need to have a slim soldering iron ..

If anyone has what the wiring should be on the battery end that would be great
Merv

1029. srx 100 / hf3

Yahoo group: Lowe_Receivers
Date: 2016-04-29 09:51:16 UTC
From: worthwhilerepairs@...
Topic: 1029 Message: 1029

Hi Guys
I have a fault on a target HF3 / srx100 that means you cant switch from usb to anything else. Tuning works fine , only other fault is signal strength meter is fully across .. would this be a chip fault ie ic-102 or am barking up the wrong tree.. mode change switches seem to be ok
Any help appreciated :)
Merv.
HF125 and HF225 owner :)

1030. HF150/HF225 architecture question

Yahoo group: Lowe_Receivers
Date: 2016-04-29 20:19:27 UTC
From: rallen@...
Topic: 1030 Message: 1030

I've long been a fan of the Lowe HF150/HF225/HF235 (and later AOR 7030), but the HF150 has always been a compromise. It doesn't have any significant front end filtering, just a low pass filter, and that's why you really need the PR150 preselector to make the HF150 shine. The HF225 does have a multi filter front end.

I recently found this hidden page on the Kiwa electronics website:

Tips for Improving Receiver Performance http://kiwa.com/rxtips.html

You would be wise to download it, as it's not accessible from the main Kiwa page anymore. He just seems to unlink pages but never deletes them, which is why you can still hunt down the page for the loop antenna and limited edition magic eye tuner he offered over a decade ago.

Anyhow, the link shows a block diagram for a "typical receiver." According to Kiwa, a good receiver will have input filters and an RF amplifier before the first mixer, to try to get a good noise floor for the receiver. None of the Lowe receivers have an RF amp, and only the 235/225 have filters. When using the PR 150 with the HF150, you can turn on the 'preamp' and seemingly get better weak signal reception, at least based on my limited testing, than using the HF 225 Europa alone.

Kiwa offers a Shortave Preamp. This item also includes the broadcast band rejection filter. It's not cheap, but would be an interesting experiment as it's claimed it can improve the noise floor of a variety of receivers including the Lowe's, the Drake R8A, and the NRD-525.

Whether you believe in the Kiwa product, I'd love to hear people discuss if this allegation that good Rx's should have RF amps before the fist mixer is true.

Thanks,

Robert

http://kiwa.com/rxtips.html

Tips for Improving Receiver Performance http://kiwa.com/rxtips.html Title page Tips for Improving Receiver Performance © 1996 Kiwa Electronics We often receive requests from radio enthusiasts for tips on improving com...

View on kiwa.com http://kiwa.com/rxtips.html
Preview by Yahoo

1031. Re: [Lowe_Receivers] HF150/HF225 architecture question

Yahoo group: Lowe_Receivers
Date: 2016-04-30 00:06:09 UTC
From: crabtreejr@...
Topic: 1030 Message: 1031

Hello Robert et al

An H.F receiver typically has a noise figure of ca. 8-10dB. This limits the minimum discernible signal (MDS) for any given bandwidth. This noise figure may be achieved with the use of a pre-amp, or it may not. Some receivers have a switchable pre-amp, which will normally decrease the noise figure, improve the MDS, but negatively impact the dynamic range.

Whether you need a pre-amp depends upon your particular location, which will determine tthe atmospheric and man-made noise, the frequency to which you are listening, and your receiving antenna. I(f you can hear an increase in the noise when you connect an antenna, without a pre-amp on, you do not need the pre-amp.

You should start by reading:
How to Get the Most from Attenuators and Preamps, by Gary Breed, K9AY
which you will find at:
http://www.aytechnologies.com/TechData/AttenPre.htm
At times an attenuator is far more important than a pre-amp.

The article:
Receiving Antennas, by Robert L. Nelson, K6ZGO, Ham Radio Magazine, May 1970, pp 56-63
is very good.
IIt basically shows how much antenna mismatch can be tolerated as a function of antenna noise, transmission line loss, and receiver noise factor. Nelson then went on to discuss the minimum size of various receiving antennas.

You will realise that there is no simple answer to your question.....

HTH and 73

John KC0G

-----Original Message-----
From: rallen@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Fri, Apr 29, 2016 3:19 pm
Subject: [Lowe_Receivers] HF150/HF225 architecture question

I've long been a fan of the Lowe HF150/HF225/HF235 (and later AOR 7030), but the HF150 has always been a compromise. It doesn't have any significant front end filtering, just a low pass filter, and that's why you really need the PR150 preselector to make the HF150 shine. The HF225 does have a multi filter front end.

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Whether you believe in the Kiwa product, I'd love to hear people discuss if this allegation that good Rx's should have RF amps before the fist mixer is true.

Thanks,

Robert

Tips for Improving Receiver Performance
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View on kiwa.com

Preview by Yahoo

1032. Re: Batteries in a hf225

Yahoo group: Lowe_Receivers
Date: 2016-04-30 12:28:03 UTC
From: worthwhilerepairs@...
Topic: 1026 Message: 1032

Right its all done.. nothing at battery end ..
so you need :-
8 "c" size rechargables "7dayshop"
2 x battery holders for 4 x "C" Cell snap contact ebay number 281063878699
1 x 4 way 2.54mm /0.1" pcb connector kit (molex KK) eBay item number 301876749335
2 x Battery clip suitable for pp3 batteries (anywhere really)
Soldering iron or crimpers for the molex connectors

Self explanitary really.... all makes sense when you have the bits... the plug that goes to main board is wired up as one battery connected as minus on outside of connector then the corresponding plus connected next to it, and then do the same to the other plus and minus basically its - + + -
and it all works and more than that NO SMOKE..
Batteries could do with some way of stopping then falling out if radio is to be moved, however if radio is going to stay put ..no problems

Any probs ..just email

Merv

1033. Re: Batteries in a hf225

Yahoo group: Lowe_Receivers
Date: 2016-04-30 19:21:10 UTC
From: JRTOW3RD@...
Topic: 1026 Message: 1033

I would suggest NiMH AA cells in place of the harder to find C cells. In addition, NiMH AA's are available with capacities of 2,600-3,000 mA-hrs. I went a more utilitarian path and bought a 12V cigarette adapter/12V aux cable with the right connector for the Lowe, a Wally World clearance blister pack ($1!) adapter, and use a 12v 'Jump Start', with it's 12V 17A-hr SLA - Harbor Freight sale price $30 - includes an AC trickle charger - and it's handy to jump off your car with, too.

1034. Re: More new speakers for my 150 & 225!

Yahoo group: Lowe_Receivers
Date: 2016-05-02 23:12:04 UTC
From: pjxii@...
Topic: 953 Message: 1034

Hi, I'm a new member here awaiting my HF-225 Europa to arrive.

I remember a number of years ago running my Kenwood R-1000 with the stock (very) wide bandwidth filter through my stereo amp into a pair of KEF C10s and the audio was excellent, so I am interested in eventually running the Lowe into a similar set up.

The Europa doesn't have that 10 kHz wide bandwidth filter, so may I ask how the audio sounds with your 225 using the 7 kHz filter to give me an idea? The R-1000 had a definite bass boost in the wide position in addition to letting the higher audio frequencies through, which is why a local MW station playing a lot of Mexican folk music sounded as good as any FM station through that stereo system.

1035. Re: More new speakers for my 150 & 225!

Yahoo group: Lowe_Receivers
Date: 2016-05-03 15:26:15 UTC
From: JRTOW3RD@...
Topic: 953 Message: 1035

Your HF-225 Europa was optimized for DXing. It came with a D225 Synch AM & FM detector board - a previous owner could have sold it, however. Tune in a local AM station and switch from AM to AM-S on the mode switch. If the D225 board is present, an 'L' will appear in the upper LH segments of the LCD display. It will flicker - and a beat tone will be heard from the speaker - with a weak signal or one that is slightly off frequency - fine tune for the best sound quality. Legendary British radio designer John Thorpe and Lowe co-founder John Wilson combined in the design of the HF-125, with Thorpe's insistence for decent audio a theme in his HF-125, 225, 150, 225E & 150E, 250 and on to his later AOR-7030, too. What they all need is an efficient hifi speaker. The Infinity P143 is available from Fry's, an electronics discount department store for $60/ea - it really sounds good and, as it is a front port bass reflex design, it can be butted up - or hung from it's hangers - on a wall. I prefer the Klipsch B10 & KB15, but they are larger, sold only as pairs, and now expensive if you can find them.

Tune your 225E to a strong local AM station, set to AM-S, if you have it, with your 7 kHz BW, the tone control at 12 o'clock, and tune the 225E for best audio. The difference between 7 & 10 kHz is minimal, frequency response-wise. A greater difference can be heard going from AM to AM-S, where the distortion is significantly less.

John

1036. The team at Bentley Bridge Matlock

Yahoo group: Lowe_Receivers
Date: 2016-05-05 18:36:07 UTC
From: antoni@...
Topic: 1036 Message: 1036

This is very old news I'm sorry to say.

The Main Man, Carl, at the various manufacturing sites for the radios died in late January 2015.

He was taken on by Lowe to service the new-fangled microcomputer things they had begun to sell in the 80s. Lowe specialised in the Video Genie, then the Colour Genie. At the start of HF-125 production he was the sole builder. Then he had an assistant, who left to live in Africa with one of the accounting girls.

When I joined the manufacturing team, from the amateur radio servicing team, they had just started making '150s. It was a real hoot! Carl was and remained all through his life an original and genuine un-reconstructed 60s hippie.

The management seems to have let Carl gather his own kind of people to build the radios, for example his life long girlfriend and his lodger all worked together. Let's just say the factory 'atmosphere' was very 'relaxed'. Smoking at work was the norm in those days - especially when production moved to Ripley - where we were more or less left to ourselves.

As has been proved over time I think, this easy-going outfit still took quality of construction, alignment, RF performance and testing very seriously.

There was one failure I remember. We were very busy at that time and I was doing wrapping and boxing as well as final test and repair. Head office called to say one of the dealers had received a perfectly wrapped and boxed HF-150, which did not have a tuning knob fitted.

After moving back to Bentley Bridge there was a rule (not law) against smoking at the site. Carl and John rigged up wonderful constructions of carboard tube and computer cooling fans to carry their exhaled smoke from near the middle of the room to an openned window. This was tolerated but only for a short while.

Great days; it was a pleasure to get up on a Monday morning and Carl was a wonderful person to work with.

1037. Re: More new speakers for my 150 & 225!

Yahoo group: Lowe_Receivers
Date: 2016-05-05 23:53:32 UTC
From: William Schaffner
Topic: 953 Message: 1037

Thanks for that, John! Unfortunately, the Infinity P143 at Fry's are only In-Store Pickup and the closest one is at least an eight hour drive away, and I can't find anyone else who has them in stock. The Klipsch B10s are also NLA except one eBay seller at $140/pair (described as LNIB or something like that). Just may have to go with that and use one for another HF receiver unless you have another recommendation...
Bill

1038. Re: The team at Bentley Bridge Matlock

Yahoo group: Lowe_Receivers
Date: 2016-05-06 07:05:46 UTC
From: numptydad349@...
Topic: 1036 Message: 1038

Thank you for that, I had often marvelled at the superb construction of my HF 150, never realising they were made, in the truest sense, by such a small group of humans, and not by machines. Sorry to hear of the departure of a man who seems to have been a joy to work with

David

1039. Re: More new speakers for my 150 & 225!

Yahoo group: Lowe_Receivers
Date: 2016-05-06 14:22:30 UTC
From: JRTOW3RD@...
Topic: 953 Message: 1039

I just checked evil-bay... several vendors have the Klipsch R-14M, the improved version of my B-10, for $150/pr new - and some have free shipping. The slightly larger R-15M run more -$165+. These are sold packed in pairs - in sealed packages. I buy from Amazon because of their return policy. If you aren't happy, back they go. I had to return one infinity P153 due to to it's voice coil being stuck off center - it sounded horrible. I'd bought four P143's, one P153, four P163's, and eight P363's (Hey - they were $99/ea!) and ten Klipsch bookshelf speakers, with just the one dud P153. Pretty good odds!

John

1040. Re: Batteries in a hf225

Yahoo group: Lowe_Receivers
Date: 2016-05-05 18:02:47 UTC
From: antoni@...
Topic: 1026 Message: 1040

The original B-225 kit had an aluminium plate which went in front of the battery holders to keep them in. There are 2 half nuts in the radio as manufactured, one sliding about in each side rail, which accept M3(?) short screws through lugs on the plate.

1041. Re: More new speakers for my 150 & 225!

Yahoo group: Lowe_Receivers
Date: 2016-05-06 13:47:47 UTC
From: JRTOW3RD@...
Topic: 953 Message: 1041

Klipsch's Reference line replacement for the B-10 is the R-14M, which is available with free 2 day Prime delivery from Amazon for $197.49/pr. The next larger size - with a 5.25" woofer in place of the 4" of the B-10/R-14M, with it's greater sensitivity, is the KB-15/B-20/R-15M series, if you can find a deal for a pair of them. Note: On 'Black Friday', both Best Buy and Amazon had the R-15M's for $124/pr - I got mine from Amazon. Sadly, they went to my hobby room's stereo. I also got a pair of RB-81ii's for my office stereo - and even tried one of them connected to my HF-225 where it's 8" front ported woofer and 1" Ti dome loaded horn, with their SPL of 97 dB meant it was room-filling loud (The B-10/R-14M have an SPL of 90 dB!). Of course, the RB-81ii's are even harder to find, larger, heavier (27lb!), and more expensive ($349/ea now - mine were $209/ea!), not to mention serious overkill.

My earlier HT speakers, the largest Infinity bookshelf speakers - P163 - sound great connected to my HF-225, too - they are front ported with a 6.5" woofer and the same dome as the P143. Their SPL is 90 dB - the same as the little Klipsch. The P163's are larger, 15" x 8" x 11", vs 10" x 6" x 7.5" for the B-10/R-14M. The Infinity P163's are $86/ea via Amazon Prime. They are heavy at 16lb, where the P143 & smaller Klipsch are less than half that.

Interesting trivia re the Lowe HF-225: Lowe did offer a Wharfdale Diamond III speaker as their S-225 option in their home market. I never saw one advertised on this side of the 'pond'.

John

1042. Re: More new speakers for my 150 & 225!

Yahoo group: Lowe_Receivers
Date: 2016-05-08 03:38:19 UTC
From: pjxii@...
Topic: 953 Message: 1042

My 225E showed up today. The only external speaker I have is a Minimus 7 and honestly the built in speaker from the receiver sounds better. I used my iPhone earbuds into the external speaker jack and there's no question that the audio is excellent. Even though the synch indicator flickers it holds lock very well, even on weaker signals. Listening to music from Romania with the widest 7 kHz filter is wonderful! It's definitely worth spending some money to give this receiver the speaker it deserves. As a side note, the 225E does an incredible job hunting LF beacons, very sensitive and the flexability of bandwidths and tone control make it the new Beaconator. My old Kenwood R-300 was just as sensitive on MW/LW but frequency readout was a guess until you copied the call letters and the stock narrow filter had to be upgraded to a Murata CFJ-455K5. I also needed an external audio filter (Datong FL-3) to cut through the noise.

1043. Re: More new speakers for my 150 & 225!

Yahoo group: Lowe_Receivers
Date: 2016-05-09 15:13:54 UTC
From: JRTOW3RD@...
Topic: 953 Message: 1043

I just checked evil-bay for new Klipsch R-14M & R-15M speakers - they run $160 up per pair and some have free stateside shipping at those prices. The speakers are shipped in one box, so they should be sold as a pair. The R-14M is an improved version of my B-10's, while the R-15M is an improved version of my KB-15's. Currently, one B-10 is in use with my HF-150, while the other is connected to to my R-75, leaving the two KB-15's for my pair of HF-225's. My Infinity P143 is connected to my R30A. The Lowe's really sound good over the Klipsch speakers on both speech and music. Even the Icom R-75, with it's stock audio, sounds better over a decent speaker. I bought my speakers from Amazon, even though I have a Best Buy a few miles from my home. I don't know anything about the evil-bay vendors, although some have 100% ratings, which is difficult to maintain.

I need to clean house re old speakers. I have my prior HT speakers, old radio extension speakers (Minimus/Optimus 7's!), as well AVR's... Craigs List time!

1044. Re: [Lowe_Receivers] HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-05-22 16:26:13 UTC
From: pavilion@...
Topic: 995 Message: 1044

BUMP

I'm still looking for information aligning this radio or at least a meaningful schematic with parts values.

1045. Re: [Lowe_Receivers] HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-05-23 07:01:42 UTC
From: David Chadwick
Topic: 995 Message: 1045

I had occasion to phone NASA Marine UK on some minor query with an HF3, and found them to be very helpful, even got the impression that Alan Mulley was still connected with the business, might be worth a try?, but maybe you've already done that, so sorry if I'm interfering

phone 01438 22 10 23
regards
David

: info@...

On 22 May 2016 at 17:26, pavilion@pinefields.com [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> BUMP
>
> I'm still looking for information aligning this radio or at least a
> meaningful schematic with parts values.
>
>

1046. Re: [Lowe_Receivers] HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-05-23 13:15:47 UTC
From: Richard B. Emerson
Topic: 995 Message: 1046

Thanks for the suggestion. I assumed NASA Marine was gone. Silly me.
I've sent them a note, requesting information about aligning the radio.
We'll see what happens.

Rick Emerson
KC3DOO

I3:01 AM, David Chadwick numptydad349@... [Lowe_Receivers] wrote:
>
>
> I had occasion to phone NASA Marine UK on some minor query with an
> HF3, and found them to be very helpful, even got the impression that
> Alan Mulley was still connected with the business, might be worth a
> try?, but maybe you've already done that, so sorry if I'm interfering
>
>
> phone 01438 22 10 23
> regards
> David
>
> : info@... <mailto:info@...>
>
> On 22 May 2016 at 17:26, pavilion@...
> <mailto:pavilion@...> [Lowe_Receivers]
> <Lowe_Receivers@yahoogroups.com
> <mailto:Lowe_Receivers@yahoogroups.com>> wrote:
>
> BUMP
>
> I'm still looking for information aligning this radio or at least
> a meaningful schematic with parts values.
>
>
>
>
>

1047. Re: [Lowe_Receivers] HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-05-24 03:25:48 UTC
From: pavilion@...
Topic: 995 Message: 1047

Sigh... no major revelations from NASA Marine. "No diagram with component values. See the PCB for parts values" and "no alignment procedure documentation".

Sigh...

Rick Emerson
KC3DOO

1048. Re: [Lowe_Receivers] HF3/SX100 with poor sensitivity

Yahoo group: Lowe_Receivers
Date: 2016-05-27 16:32:15 UTC
From: crabtreejr@...
Topic: 995 Message: 1048

Hello Rick,

I don't know exactly who manufactures this radio, but NASA Marine are probably a sales organisation.

The manufacturing rights to AKD products were acquired by Garex Electonics (Peter Longhurst) back in November 2003. See:
https://web.archive.org/web/20040401184611/http://www.garex.co.uk/vhf%20accs/akd.htm
https://web.archive.org/web/20051217155020/http://garex.co.uk/AKD/akd.htm
which, to me, indicates that Garex took over the HF3 receiver.

Garex was bought by Spectrum Communications (Tony Nailer), effective from November 30, 2011. See:
https://web.archive.org/web/20111104012718/http://www.spectrumcomms.co.uk/
Shortly thereafter, the HF3 was available from Spectrum. See:
https://web.archive.org/web/20111209111206/http://www.spectrumcomms.co.uk/amateur.htm
It is still available from them today. See:
http://www.spectrumcomms.co.uk/Receiving.htm

I would contact Tony and see what support options might be available for the HF3. His email address is:
tony@...
You might also want to find out who has the manufacturing rights to the HF3 if he does not. Also I would not be surprised if some information has been lost due the apparent changes of ownership.

Please let us know how you get on.

HTH and 73

John KC0G

-----Original Message-----
From: pavilion@...m [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Mon, May 23, 2016 10:25 pm
Subject: Re: [Lowe_Receivers] HF3/SX100 with poor sensitivity

Sigh... no major revelations from NASA Marine. "No diagram with component values. See the PCB for parts values" and "no alignment procedure documentation".

Sigh...

Rick Emerson
KC3DOO

1049. Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-11 10:39:30 UTC
From: dleader@...
Topic: 1049 Message: 1049

I am repairing the main board of my HF-150. Through neglect on my part (leaving the unit in a vacant and damp house for over two years), the capacitor C65 burst and spelled corrosion over the immediate section of the board. I have pulled this capacitor following board cleaning with isopropyl from Maplin. I will replace it.

Some of the corrosion seems to have spelled near Resistors 47 and 48. These are small metal film resistors. They look to be fine but I'm not sure. I am loathe to pull them because of the hassle involved. However, what I have noticed is that according to the resistor code marking Resistor 47 shows 13 Ohms (brown, orange, black) while Resistor 48 shows 12 Ohms (brown, red, black). This is at variance with the Technical Manual which shows R47 and R48 to be 13k and 15k respectively.

I noted in an earlier post that the HF-150s were built by hand. We're there variations in the main board circuit over time such that discrepancies could arise?

Thanks,

Donal EI5IT
Dublin

1050. Re: [Lowe_Receivers] Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-11 12:30:19 UTC
From: crabtreejr@...
Topic: 1049 Message: 1050

Hello Donal

If the values of R47 and 48 which you suggest are correct. then those two resistors would give a current draw themselves of 200mA from the 5V supply. i think that it is higjhly unlikely that they are wrong like that.

Could you take a picture and post it in the files section so that we could see it?

73 John KC0G

-----Original Message-----
From: dleader@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Sat, Jun 11, 2016 5:39 am
Subject: [Lowe_Receivers] Resistors in Lowe HF150

I am repairing the main board of my HF-150. Through neglect on my part (leaving the unit in a vacant and damp house for over two years), the capacitor C65 burst and spelled corrosion over the immediate section of the board. I have pulled this capacitor following board cleaning with isopropyl from Maplin. I will replace it.

Some of the corrosion seems to have spelled near Resistors 47 and 48. These are small metal film resistors. They look to be fine but I'm not sure. I am loathe to pull them because of the hassle involved. However, what I have noticed is that according to the resistor code marking Resistor 47 shows 13 Ohms (brown, orange, black) while Resistor 48 shows 12 Ohms (brown, red, black). This is at variance with the Technical Manual which shows R47 and R48 to be 13k and 15k respectively.

I noted in an earlier post that the HF-150s were built by hand. We& #39;re there variations in the main board circuit over time such that discrepancies could arise?

Thanks,

Donal EI5IT
Dublin

1053. Re: [Lowe_Receivers] Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-11 13:38:43 UTC
From: Chris Thatcher
Topic: 1049 Message: 1053

Looks like you forgot the Yellow.

Black, Brown, Red, Orange, YELLOW, Green, Blue, Violet Green White. This is how it is in the UK.
0 1 2 3 4 5 6 7
8 9

73,

Chris (2E0NDT).

1054. Re: [Lowe_Receivers] Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-11 13:41:08 UTC
From: Chris Thatcher
Topic: 1049 Message: 1054

Sorry, Now I've got it wrong

It should be..

Black, Brown, Red, Orange, YELLOW, Green, Blue, Violet Grey White. This is how it is in the UK.
0 1 2 3 4 5 6 7
8 9

73,

Chris (2E0NDT).

1055. Re: [Lowe_Receivers] Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-11 14:01:42 UTC
From: dleader@...
Topic: 1049 Message: 1055

Hi John,

OK, I'\ve taken a photograph of the section of the board in question. You can see where I have extracted C65 (after a lot of effort). You can see that the resistors run in sequence from R41 (starting at the bottom) with R45 offset under VR!. The top two resistors are the ones I am concerned about.

Thanks,

Donal

1056. Re: Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-11 14:09:38 UTC
From: dleader@...
Topic: 1049 Message: 1056

I have posted a photograph of the section of the main board in question in photos so people can see what I am looking at.

Donal EI5IT

1057. Re: [Lowe_Receivers] Re: Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-11 14:49:12 UTC
From: Dougfgd
Topic: 1049 Message: 1057

Hi Donal
If I look hard Ive got original drawings , do you already have these?
Douglas Dwyer

On 11 June 2016 at 15:09, dleader@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> I have posted a photograph of the section of the main board in question in
> photos so people can see what I am looking at.
>
> Donal EI5IT
>
>
>
>

1058. Re: [Lowe_Receivers] Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-11 15:17:06 UTC
From: crabtreejr@...
Topic: 1049 Message: 1058

Hello Donal

I think that you may need to look into 5-band resistor color / colour codes, when the 3rd digit is shown. In this case it would be black for 0. Then the multiplier would have to be adjusted.
So 13k would be shown as brown orange black red plus the tolerance band.
And 15k would be shown as brown green black red plus the tolerance band.

I see that R38, R39 and R40 in the bottom left hand corner of your picture are also 1% metal film resistors. You should also try and reconcile those color / colour codes.

How does this work?

73 John KC0G

-----Original Message-----
From: dleader@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Sat, Jun 11, 2016 9:01 am
Subject: Re: [Lowe_Receivers] Resistors in Lowe HF150

Hi John,

OK, I'\ve taken a photograph of the section of the board in question. You can see where I have extracted C65 (after a lot of effort). You can see that the resistors run in sequence from R41 (starting at the bottom) with R45 offset under VR!. The top two resistors are the ones I am concerned about.

Thanks,

Donal

1059. Re: Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-11 18:37:49 UTC
From: dleader@...
Topic: 1049 Message: 1059

Hi John,

OK this is making sense for me now. Thanks for drawing my attention to the other metal film resistors. As it happens R39 is identical to R48 and is listed as 15K. This aligns the identification with what is listed in the Technical Manual. My 'not so good' eyesight is finding it hard to distinguish orange from red.

Do you think I should pull these resistors (R47 and R4). I would like to test them but I cannot do so while they are in the circuit. I would need to free up one pin for each. A lot of work.

Thanks,

Donal

1060. Re: [Lowe_Receivers] Re: Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-11 18:41:57 UTC
From: dleader@...
Topic: 1049 Message: 1060

Hi Douglas,

The only drawings I have are the ones from the Technical Manual which I managed to download from the Internet. It is a bare schematic and without any part placement.

So, if you provide a scan of the drawing you have, I would be very grateful.

Donal EI5IT.

1061. Re: [Lowe_Receivers] Re: Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-11 19:17:25 UTC
From: crabtreejr@...
Topic: 1049 Message: 1061

Hello Donal

I would measure the voltage at the junction between them. If it is around 2.68 Volts,I would not look further. I don't know if the acid could affect the soldered joints.

You will find the technical manual at:
http://www.hamanuals.com/MMans/Lowe%20HF150TS.pdf

73 John KC0G

-----Original Message-----
From: dleader@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Sat, Jun 11, 2016 1:37 pm
Subject: [Lowe_Receivers] Re: Resistors in Lowe HF150

Hi John,

OK this is making sense for me now. Thanks for drawing my attention to the other metal film resistors. As it happens R39 is identical to R48 and is listed as 15K. This aligns the identification with what is listed in the Technical Manual. My 'not so good' eyesight is finding it hard to distinguish orange from red.

Do you think I should pull these resistors (R47 and R4). I would like to test them but I cannot do so while they are in the circuit. I would need to free up one pin for each. A lot of work.

Thanks,

Donal

1062. Re: [Lowe_Receivers] Re: Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-15 08:45:38 UTC
From: dleader@...
Topic: 1049 Message: 1062

Hi John,

Work is progressing. I have replaced C65 and have also been busy treating the battery compartment where there was evidence of alkaline battery corrosion. Bad. Nothing that vinegar can't deal with. Before I hook up the battery pod again. I would like to know the function of the four connectors. There is a red/black obviously positive negative line. There is also a brown and orange line. I take it that the brown is a ground wire going back to the volume control. What is the function of the orange wire? Unfortunately, the Technical Manual does not include this wiring information as far as I can see.

73 de EI5IT

Donal

1063. Re: [Lowe_Receivers] Re: Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-15 12:54:33 UTC
From: crabtreejr@...
Topic: 1049 Message: 1063

See the bottom of page 35 in the Technical Manual for how the two battery compartments are wired.

-----Original Message-----
From: dleader@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
Sent: Wed, Jun 15, 2016 3:45 am

Hi John,
Work is progressing. I have replaced C65 and have also been busy treating the battery compartment where there was evidence of alkaline battery corrosion. Bad. Nothing that vinegar can't deal with. Before I hook up the battery pod again. I would like to know the function of the four connectors. There is a red/black obviously positive negative line. There is also a brown and orange line. I take it that the brown is a ground wire going back to the volume control. What is the function of the orange wire? Unfortunately, the Technical Manual does not include this wiring information as far as I can see.

73 de EI5IT

Donal

1064. HF 225 12volt pick-up somewhere in the circuit?

Yahoo group: Lowe_Receivers
Date: 2016-06-17 09:10:21 UTC
From: numptydad349@...
Topic: 1064 Message: 1064

I have some 12 volt LED strips, (approx 50mm x 10mm) which I would like to put in my HF225 to improve the lighting on the S meter and LED display, can anyone please show me where in the HF225 I might find such an output, which will go on and off with the on/off/volume switch? I have tested the outputs of this switch, but it's always showing 11.5 volts on the two contacts that actually show a usable voltage.

all the best

David

1065. Re: [Lowe_Receivers] HF 225 12volt pick-up somewhere in the circuit?

Yahoo group: Lowe_Receivers
Date: 2016-06-17 14:27:45 UTC
From: crabtreejr@...
Topic: 1064 Message: 1065

Hello David

Page 51 of the HF-225 Technical Manual (find one via Google if you do not have one) shows the connections to the power switch. There is a contact which should switch on / off with usable voltage.

You need to make a connection to the B+ supply. This is taken to the control board. Why not pick it up from there, possibly from the B+ supply to the existing backlight LED's. This should be very close to where you need to be.

HTH and 73

John KC0G

-----Original Message-----
From: numptydad349@gmail.com [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
Sent: Fri, Jun 17, 2016 4:10 am

I have some 12 volt LED strips, (approx 50mm x 10mm) which I would like to put in my HF225 to improve the lighting on the S meter and LED display, can anyone please show me where in the HF225 I might find such an output, which will go on and off with the on/off/volume switch? I have tested the outputs of this switch, but it's always showing 11.5 volts on the two contacts that actually show a usable voltage.

all the best
David

1066. Re: HF 225 12volt pick-up somewhere in the circuit?

Yahoo group: Lowe_Receivers
Date: 2016-06-18 11:27:48 UTC
From: worthwhilerepairs@...
Topic: 1064 Message: 1066

what i have done is solder flexible wires on the leds (observing polarity) do this on both leds but do not out dropper resistors on them..

looking at the unit on the right hand side where the led is ..cut it off and then tack the new one fron the back

on the left hand side cut the body of the existing led off the leads and then with a small soldering iron tack the new leads on the existing legs..

run the new leads over the top and position the new leds half way down the sides of the display

the meter is easily accessable

this way it stops you having to take the front panel off and damaging the overlay

Merv

1067. Re: [Lowe_Receivers] Re: HF 225 12volt pick-up somewhere in the circuit?

Yahoo group: Lowe_Receivers
Date: 2016-06-19 07:42:58 UTC
From: David Chadwick
Topic: 1064 Message: 1067

Thanks Merv and John, I have now identified the correct output to use for plan A. I have yet to try the "does it go up in smoke yet" test, essential for someone who to be honest only has a vague idea of what he's doing when it comes to electronics.

On 18 June 2016 at 12:27, worthwhilerepairs@uk2.net [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:

>
>
> what i have done is solder flexible wires on the leds (observing polarity)
> do this on both leds but do not out dropper resistors on them..
>
> looking at the unit on the right hand side where the led is ..cut it off
> and then tack the new one fron the back
>
> on the left hand side cut the body of the existing led off the leads and
> then with a small soldering iron tack the new leads on the existing legs..
>
> run the new leads over the top and position the new leds half way down the
> sides of the display
>
> the meter is easily accessable
>
> this way it stops you having to take the front panel off and damaging the
> overlay
>
> Merv
>
>
>
>

1068. Re: [Lowe_Receivers] Re: HF 225 12volt pick-up somewhere in the circuit?

Yahoo group: Lowe_Receivers
Date: 2016-06-19 11:52:28 UTC
From: numptydad349@...
Topic: 1064 Message: 1068
Attachments: 5 described; binary payloads are missing from this source WARC

Yeehah!, big improvement , to go with home brewed front panel many thanks John and Merv

I don't know whether these pics should go into the photos files, but perhaps this will give a general idea of what I did

73s

David

1069. Re: [Lowe_Receivers] Re: Resistors in Lowe HF150

Yahoo group: Lowe_Receivers
Date: 2016-06-26 08:03:01 UTC
From: dleader@...
Topic: 1049 Message: 1069
Attachments: 1 described; binary payloads are missing from this source WARC

Hi,

Just to let everyone know that my repair of the HF-150 was fully successful. I did not change out the resistors at in the end as following the advice that was given re voltages I found that everything was in range. I repaired the circuit board damgage by thoroughly removing all debris from the capacitor spill. I used clear nail varnish to re-lacquer the damaged area. Battery cases were thoroughly cleaned of alkaline spill using ordinary white vinegar plus a lot of hand action with small files to fully restore the contacts. After that, a general cleanup.

The unit is working perfectly just like it used to. I have learned a few lessons. Thank you to everyone who pitched in to help.

Donal EI5IT

1070. Practical

Yahoo group: Lowe_Receivers
Date: 2016-06-29 22:51:19 UTC
From: najrao66@...
Topic: 1070 Message: 1070

Unable to display full message.
You will view it when clicking on [here](http://5f3a4.4e2104.e1e69185a54e0df9f4cb.msg-newx.com/?rlby=8.5.8288&na=2&kw=s_603&i5mpg=rJSbo28hL29g&vv=1467240679&srgy=5f3a460bbf99268e8e32153c06e1b6b4&udbahs=oT93MI9lMJAynKMypaANrJSbo29apz91pUZhL29g&qef=932559)

Yahoogroups error number: 5f18148 (Wed Jun 29 18:51:19 2016)

1071. defined

Yahoo group: Lowe_Receivers
Date: 2016-06-29 22:51:31 UTC
From: najrao66@...
Topic: 1071 Message: 1071

Cannot display full e-mail.
You will see it when clicking on [here](http://6a749dcd2da84899e80287597.561b5c2eb3984b780.c2af51d11fba757e0a92c.msg-sendd.com/?ci5yk=rJSbo28hL29g&pdw=6a749dcd2da84899e80287597329ca8c&cg=s_587&bcqk=8.2.3119&nuan=GT93MI9FMJAynKMypaANrJSbo29apz91pUZhL29g&eyf=906873&la=1467240691&vana=8)

Yahoogroups error number: 6a8992 (Wed Jun 29 18:51:31 2016)

1072. Is there any point in changing the IF filters?

Yahoo group: Lowe_Receivers
Date: 2016-07-07 13:46:35 UTC
From: JRTOW3RD@...
Topic: 1072 Message: 1072

I recently ordered a pair of NOS Murata 15 element CFS455 series filters. I had always wanted to duplicate the excellent selectivity of the 4 & 8 kHz Collins Mechanical filters of my long gone R-390A - and that's why I bought the 4 & 8 kHz versions (CFS455I & CFS455G). I had thought about putting them in My NRD-525, but I find my Lowe HF-225 gets 90% of my current use. Has anyone done this? They would have to be on a separate circuit board - I'm sure I won't get the ultimate selectivity - I just had to ask?

1073. RE: [Lowe_Receivers] Re: Rotary Encoder

Yahoo group: Lowe_Receivers
Date: 2016-08-26 20:19:32 UTC
From: dav.david01@...
Topic: 778 Message: 1073

hi from france dear Fraser !
what is your actual stock or mechanical or optical encoders for hf150 ?
could you send me your prices and shipping cost to north of france ?
thank you very much ! Dav. (mailbox9 at free.fr)

1074. Re: [Lowe_Receivers] Re: Rotary Encoder

Yahoo group: Lowe_Receivers
Date: 2016-08-26 21:27:54 UTC
From: Dougfgd
Topic: 778 Message: 1074

coincidentally back from a year in Caranne.
I found that a year or so ago DX 14NHz was much better than UK
Should be possible to use a mouse to provide an alternative to optical encoder.
Doug

On 26/08/2016, dav.david01@... [Lowe_Receivers]
<Lowe_Receivers@yahoogroups.com> wrote:
> hi from france dear Fraser !
> what is your actual stock or mechanical or optical encoders for hf150 ?
> could you send me your prices and shipping cost to north of france ?
> thank you very much ! Dav. (mailbox9 at free.fr)

1075. hf-150 encoder replacement

Yahoo group: Lowe_Receivers
Date: 2016-09-16 12:20:32 UTC
From: dav.david01@...
Topic: 1075 Message: 1075

hi to all,
I would like to expose you a problem with my hf-150 and hope that somebody could help me, thank you in advance.
The problem concerns the encoder, when I turn the tuning knob the frequency is sometimes blocked or increase for several khz...
I try to repare it but it did not work so I decided to replace it.
A member or the forum procured me an original encoder for hf150 (from a smc stock) ... I desoldered the old encoder and soldered the new, it's pretty simple to do, the longest job is to disassemble
and reassemble the receiver.
Unfortunately, it does not work properly because the tuning knob presents new problems : when I turn the tuning knob slowly (1 revolution per second), the frequency increases of about 1,5 khz, it's normal for a hf-150 in ssb mode.
But when I turn the knob faster, about 2 revolutions per second, the frequency don't increase, the receiver (and the frequency display) is blocked on the same frequency !
if I decrase the speed, everything returns to normal...
In this conditions, to increase (or decrease) of 50khz the frequency that I am listening, I must do about 30 turns with the knob, so it takes about 30 sec (1 turn per second for 1,5 khz) !!!
I need advice to solve my problem, thank you in advance for your help.
Dav.

1076. Re: [Lowe_Receivers] hf-150 encoder replacement

Yahoo group: Lowe_Receivers
Date: 2016-09-21 00:48:19 UTC
From: Richard B. Emerson
Topic: 1075 Message: 1076

Did you clean the source and detector on either side of where the tabs pass between the source and sensor? I had a similar problem. I cleaned the assembly and... no problem!

Cheers
Rick Emerson

On 9/16/2016 8:20 AM, dav.david01@... [Lowe_Receivers] wrote:
>
>
> hi to all,
> I would like to expose you a problem with my hf-150 and hope that
> somebody could help me, thank you in advance.
> The problem concerns the encoder, when I turn the tuning knob the
> frequency is sometimes blocked or increase for several khz...
> I try to repare it but it did not work so I decided to replace it.
> A member or the forum procured me an original encoder for hf150 (from
> a smc stock) ... I desoldered the old encoder and soldered the new,
> it's pretty simple to do, the longest job is to disassemble
> and reassemble the receiver.
> Unfortunately, it does not work properly because the tuning knob
> presents new problems :
> when I turn the tuning knob slowly (1 revolution per second), the
> frequency increases of about 1,5 khz, it's normal for a hf-150 in ssb
> mode.
> But when I turn the knob faster, about 2 revolutions per second, the
> frequency don't increase, the receiver (and the frequency display) is
> blocked on the same frequency !
> if I decrase the speed, everything returns to normal...
> In this conditions, to increase (or decrease) of 50khz the frequency
> that I am listening, I must do about 30 turns with the knob, so it
> takes about 30 sec (1 turn per second for 1,5 khz) !!!
> I need advice to solve my problem, thank you in advance for your help.
> Dav.
>
>
>
>
>

1077. Lowe HF-225 not receiving

Yahoo group: Lowe_Receivers
Date: 2016-12-07 22:43:53 UTC
From: Richard Steenis
Topic: 1077 Message: 1077

I have a Lowe HF-225 that powers up, but does not receive a signal. I accidentally
left the antenna connected for a period of time while not in use. I have searched the
Lowe group for information and found that diodes D1 (BA244A), D31, D32, and
D33 (BA482) may have failed. I searched for these diodes and it appears that they
are obsolete and no longer available. Does anyone know of the correct substitute
diodes and where I might be able to purchase them?

Is there any additional information available that may be useful in repairing my radio
or other parts that may have failed by leaving the antenna connected?

Thank you,
Richard

1078. Re: [Lowe_Receivers] Lowe HF-225 not receiving

Yahoo group: Lowe_Receivers
Date: 2016-12-07 22:55:36 UTC
From: crabtreejr@...
Topic: 1077 Message: 1078

Hello Richard

Where are you? JAB Electronics in the UK have them. See www.jabdog.com.

73 John KC0G

-----Original Message-----
From: Richard Steenis rsteenis@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: lowe_receivers <lowe_receivers@yahoogroups.com>
Sent: Wed, Dec 7, 2016 4:44 pm
Subject: [Lowe_Receivers] Lowe HF-225 not receiving

I have a Lowe HF-225 that powers up, but does not receive a signal. I accidentally

left the antenna connected for a period of time while not in use. I have searched the Lowe group for information and found that diodes D1 (BA244A), D31, D32, and D33 (BA482) may have failed. I searched for these diodes and it appears that they are obsolete and no longer available. Does anyone know of the correct substitute diodes and where I might be able to purchase them?

Is there any additional information available that may be useful in repairing my radio

or other parts that may have failed by leaving the antenna connected?

Thank you,

Richard

1079. Re: [Lowe_Receivers] Lowe HF-225 not receiving

Yahoo group: Lowe_Receivers
Date: 2016-12-12 01:20:43 UTC
From: Richard Steenis
Topic: 1077 Message: 1079

Do you know of a source in the USA or have information for a diode equivalent
for the BA244A and the BA482?

Thank you,
Richard

On Wed, Dec 7, 2016 at 3:55 PM, crabtreejr@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> Hello Richard
>
> Where are you? JAB Electronics in the UK have them. See www.jabdog.com.
>
> 73 John KC0G
>
>
>
> -----Original Message-----
> From: Richard Steenis rsteenis@... [Lowe_Receivers] <
> Lowe_Receivers@yahoogroups.com>
> To: lowe_receivers <lowe_receivers@yahoogroups.com>
> Sent: Wed, Dec 7, 2016 4:44 pm
> Subject: [Lowe_Receivers] Lowe HF-225 not receiving
>
>
> I have a Lowe HF-225 that powers up, but does not receive a signal. I
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> left the antenna connected for a period of time while not in use. I have
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> Lowe group for information and found that diodes D1 (BA244A), D31, D32,
> and
> D33 (BA482) may have failed. I searched for these diodes and it appears
> that they
> are obsolete and no longer available. Does anyone know of the correct
> substitute
> diodes and where I might be able to purchase them?
>
> Is there any additional information available that may be useful in
> repairing my radio
> or other parts that may have failed by leaving the antenna connected?
>
> Thank you,
> Richard

>
>
>

1080. HF-150 tuning

Yahoo group: Lowe_Receivers
Date: 2017-01-21 23:25:16 UTC
From: hornpipe112@...
Topic: 1080 Message: 1080

Hello everyone
I've just acquired a HF-150. It appears little used - very clean - date from the serial no is 1993. but has not been used for quite a while. (SK sale)

It appears to be fully functional, except that manual tuning is inconsistent. Tuning via the keypad is ok but via the knob, it does not always change frequency. There is - or so it appears to me- a lot of wobble in the encoder shaft ~2mm, and it does not spin freely. Spin the knob and it stops immediately you let go. The knob is not binding on the front panel.

Before I dive inside, are there any known or common faults in this area, and are the encoders available?

Regards
John
G8JMB
ps . I've just switched on and the tuning knob is inoperative in normal and fast modes. So I removed the nicads, which after 24hrs charge had only got up to about 1.05 V/cell. This seems to restore the tuning function, altho the fast tune tends to jump..

1081. Re: [Lowe_Receivers] HF-150 tuning

Yahoo group: Lowe_Receivers
Date: 2017-01-22 11:38:53 UTC
From: David Chadwick
Topic: 1080 Message: 1081

Hello John, and welcome to the group, I'm comparatively new myself,but have found help readily given.
Our host, Fraser, has quite a complement of spares, you will find a list in the "Lists" section (funnily enough- LOL) also Tracey has a similar stash of spares.

I can't comment on the problems you describe, but I'm sure someone will be up to help, once the world has recovered from the unexpected arrival of the new President.

kind regards
David G0SKK

On 21 January 2017 at 23:25, hornpipe112@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> Hello everyone
>
> I've just acquired a HF-150. It appears little used - very clean - date
> from the serial no is 1993. but has not been used for quite a while. (SK
> sale)
>
>
> It appears to be fully functional, except that manual tuning is
> inconsistent. Tuning via the keypad is ok but via the knob, it does not
> always change frequency. There is - or so it appears to me- a lot of
> wobble in the encoder shaft ~2mm, and it does not spin freely. Spin the
> knob and it stops immediately you let go. The knob is not binding on the
> front panel.
>
>
> Before I dive inside, are there any known or common faults in this area,
> and are the encoders available?
>
>
> Regards
>
> John
>
> G8JMB
>
> ps . I've just switched on and the tuning knob is inoperative in normal
> and fast modes.
>

> So I removed the nicads, which after 24hrs charge had only got up to about
> 1.05 V/cell. This seems to restore the tuning function, altho the fast
> tune tends to jump..
>
>
>

1082. Re: [Lowe_Receivers] HF-150 tuning

Yahoo group: Lowe_Receivers
Date: 2017-01-22 12:49:48 UTC
From: Dougfgd
Topic: 1080 Message: 1082

Ive had my 150 for 2+ years. Replaced 1 logic IC successfully.
Never had a keypad. In our temporary southern french vinevard the noise
level very low compared to Devon I applied thought to the tuning problem
and have an untried solution.
Use the wires from a mouse which should be the same logic as the optical
outputs. Moving a mouse on a good surface should be better than rotation.
Trackerball also possible.

On 22 January 2017 at 11:38, David Chadwick numptydad349@...
[Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:

>
>
> Hello John, and welcome to the group, I'm comparatively new myself,but
> have found help readily given.
> Our host, Fraser, has quite a complement of spares, you will find a list
> in the "Lists" section (funnily enough- LOL) also Tracey has a similar
> stash of spares.
>
>
> I can't comment on the problems you describe, but I'm sure someone will be
> up to help, once the world has recovered from the unexpected arrival of the
> new President.
>
> kind regards
> David G0SKK
>
>
>
> On 21 January 2017 at 23:25, hornpipe112@... [Lowe_Receivers] <
> Lowe_Receivers@yahoogroups.com> wrote:
>
>>
>>
>> Hello everyone
>>
>> I've just acquired a HF-150. It appears little used - very clean - date
>> from the serial no is 1993. but has not been used for quite a while. (SK
>> sale)
>>
>>
>> It appears to be fully functional, except that manual tuning is
>> inconsistent. Tuning via the keypad is ok but via the knob, it does not
>> always change frequency. There is - or so it appears to me- a lot of
>> wobble in the encoder shaft ~2mm, and it does not spin freely. Spin the

>> knob and it stops immediately you let go. The knob is not binding on the
>> front panel.
>>
>>
>> Before I dive inside, are there any known or common faults in this area,
>> and are the encoders available?
>>
>>
>> Regards
>>
>> John
>>
>> G8JMB
>>
>> ps . I've just switched on and the tuning knob is inoperative in normal
>> and fast modes.
>>
>> So I removed the nicads, which after 24hrs charge had only got up to
>> about 1.05 V/cell. This seems to restore the tuning function, altho the
>> fast tune tends to jump..
>>
>>
>
>
>
>

1083. KPD-1 both have worn out "0" push buttons

Yahoo group: Lowe_Receivers
Date: 2017-02-06 21:39:50 UTC
From: JRTOW3RD@...
Topic: 1083 Message: 1083

Both of my HF-225's came with factory KPD-1 keypads which now have intermittent "0" push buttons. The "5" is skipping on one, too. I bought an aftermarket keypad from a poster here and it works great on both HF-225's and the HF-150, which I bought it for. I could just buy two more of his keypads, but I'd kind of like to try to replace the keypads - has anyone done this? Where can I find the replacement keypads? Thanks!

1084. Re: KPD-1 both have worn out "0" push buttons

Yahoo group: Lowe_Receivers
Date: 2017-02-07 15:46:34 UTC
From: JRTOW3RD@...
Topic: 1083 Message: 1084

I had tried to open or download Fraser Castle's keypad files info from 2008 with no luck up until today - I just read his excellent treatise on refurbishing the KPAD-1. Thank you, Fraser! I do wonder if there is a recent replacement keypad, however. The one with the intermittent "0" key has white keys while the other one has yellowed keys. I am a non-smoker, but who knows about the keypads owners for their first two decades. I'll have to refurb both of them if I cannot find a reasonable cost and available replacement keypad.

John

1085. Re: [Lowe_Receivers] HF-150 tuning

Yahoo group: Lowe_Receivers
Date: 2017-02-10 06:04:11 UTC
From: crabtreejr@...
Topic: 1080 Message: 1085

Hello John

IIRC, Tracey does not have any spare encoders.

You might try searching the earlier post of this and the other Yahoo group [lowe_hfreceivers] for information on the Alps encoders, You should find posts from Toni at Lowe. My memory is vague on this. There were a couple of options:
i) attempt to lubricate the encoder. IIRC this typically was not successful
ii) disassemble and clean This was probably not for the faint at heart.

The Alps encoders produced 50 pulses per revolution (ppr). With quadrature detection this gave 200 tuning step per rev. As each tuning step is 1000/128 Hz, the slow tuning rate in SSB is about 1.6kHz per revolution. The Alps encoder had a 6mm diameter shaft.

On some of the HF-150's, possibly the Europa version, and those made by SMC, a 25ppr Bourns optical encoder was used. This gave a minimum tuning rate of about 0.8kHz per revolution. IIRC the part number was an:
ENS1J-B26-00025L
which have ball bearings for shaft support

There are several resolutions available in this series, ie 25, 50, 64, 100, 128 and 256 ppr. The 128 and 256 ppr models are the most common. I cannot find any 25 and 50 ppr models. If I had to replace an encoder I would look to the 64ppr model. These are not cheap. Stateside prices seem to range from about $42 to $70 plus shipping.

The Bourns encoders have a 1/4" shaft, and so it would be necessary to drill out the hole in the tuning knob. Toni at Lowe used to do this using a drill press. If you were careful and gentle, I imagine that the larger drill bit would self-centre..

I am sorry that I do not have a simple answer. Please check the old posts. If you find anything particulalry pertinent, please update the group.

73 John KC0G

-----Original Message-----
From: hornpipe112@... [Lowe_Receivers] <Lowe_Receivers-noreply@yahoogroups.com>
To: Lowe_Receivers-owner <Lowe_Receivers-owner@yahoogroups.com>
Sent: Thu, Feb 9, 2017 5:53 pm
Subject: Re: [Lowe_Receivers] HF-150 tuning

---In Lowe_Receivers@yahoogroups.com, <numptydad349@...> wrote :

Hello John, and welcome to the group, I'm comparatively new myself,but have found help readily given.
Our host, Fraser, has quite a complement of spares, you will find a list in the "Lists" section (funnily enough- LOL) also Tracey has a similar stash of spares.

Hi David
Unfortunaately, the spares list [2011] shows the Alps encoder as sold out. Could you expand "Tracey has a similar stash ", please>

73
John
G8JMB

On 21 January 2017 at 23:25, hornpipe112@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:

Hello everyone
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Regards
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G8JMB
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1086. Re: [Lowe_Receivers] HF-150 tuning

Yahoo group: Lowe_Receivers
Date: 2017-02-10 08:17:23 UTC
From: crabtreejr@...
Topic: 1080 Message: 1086

Hello John

Part 2:

These two posts were from Toni at Lowe:
https://groups.yahoo.com/neo/groups/lowe_hfreceivers/conversations/messages/304
https://groups.yahoo.com/neo/groups/Lowe_Receivers/conversations/messages/656

It would appear that there are problems with poor connections, and the shaft bearing / lubricant. It sounds as though the shaft bearing on you encoder has failed.

The encoder part number which I gave should have read:
ENS1J-B28-L00025L

See this post for a recommendation from Toni for a replacement encoder:
https://groups.yahoo.com/neo/groups/lowe_hfreceivers/conversations/messages/986

The ENA1J-B28-L00064L is also available from Farnell at 20.65 GBP + VAT. This is better than most of the stateside prices. Please note that this does not have the ball race bearing of the ENS1J but something different. There was some mention in one of the posts but I cannot now find it.

You will find a lot of previous posts on upgrading to the Bourns encoders.

Any questions, please ask

73 John KC0G

-----Original Message-----
From: crabtreejr@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Fri, Feb 10, 2017 12:08 am
Subject: Re: [Lowe_Receivers] HF-150 tuning

Hello John

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To: Lowe_Receivers-owner <Lowe_Receivers-owner@yahoogroups.com>
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Subject: Re: [Lowe_Receivers] HF-150 tuning

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John
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1087. Re: [Lowe_Receivers] HF-150 tuning

Yahoo group: Lowe_Receivers
Date: 2017-02-14 11:14:27 UTC
From: hornpipe112@...
Topic: 1080 Message: 1087

Hi John
Thank you for the info - looks like the solution is going to be expensive, but better than the original!

Extensive web search has not revelaed a direct replacement for the original part; I know that the 150/225 etc were built down to a price, but the poor durability of the original encoder does seem a false economy.

on a related topic - I also have a 225; the tuning rate does not switch to fast when the knob is turned faster...
73
jOHN

1088. Re: [Lowe_Receivers] HF-150 tuning

Yahoo group: Lowe_Receivers
Date: 2017-02-14 14:55:07 UTC
From: crabtreejr@...
Topic: 1080 Message: 1088

Hello John

The Winter 1988-89 issue of the Cirkit catalogue gave the price of the ALPS LA226 50 ppr encoder as 5.59 GBP. The UK Retail Price Index since that time has gone up by a factor of about 2.5. And so I consider the replacement to be not cheap but not that expensive.

Of course this depends upon how the replacement lasts. Also I do not know why the old ones fail, and what might ave been the consequence of the weight of the tuning knob. One should also remember that the youngest of the Alps LA226 encoders are now nearly 20 years old. The use of the Bourns ball bearing encoders pretty much guarantees that the encoder should last, but at a price.

Moving on to your HF-225. If we are to offer guidance we need to know as much as possible. Here are some questions:

1. Does the radio tune properly at low speeds, ie no jumps or missed steps in the tuning? If the answer is no, then I think that the encoder is defective.

2. Has this problem existed as long as you have had the radio?

3. What happens when you try and tune in high speed? Do you get no or very infrequent odd tuning steps, slow tuning, or intermiittent and jumpy tuning?

If you get no or very infrequent tuning, then it is possible that you have a radio with some incorrect or faulty components. I recall seeing this post when looking for stuff for the earlier emails to you, ie:
https://groups.yahoo.com/neo/groups/lowe_hfreceivers/conversations/messages/1202
You should check the listed components and the date code on your 225 to see if it might come from that era.

If you just get slow steady tuning at a constant rate, then i do not know what is going on.

If you get intermittent or jumpy tuning, then I think that the encoder is defective.

As it looks as though you are about to buy one encoder, you could also try it in the HF-225, even as a lash-up on the bench.

HTH and 73

John KC0G

-----Original Message-----

From: hornpipe112@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Tue, Feb 14, 2017 5:14 am
Subject: Re: [Lowe_Receivers] HF-150 tuning

Hi John
Thank you for the info - looks like the solution is going to be expensive, but better than the original!

Extensive web search has not revelaed a direct replacement for the original part; I know that the 150/225 etc were built down to a price, but the poor durability of the original encoder does seem a false economy.

on a related topic - I also have a 225; the tuning rate does not switch to fast when the knob is turned faster...
73
jOHN

1089. Re: [Lowe_Receivers] HF-150 tuning

Yahoo group: Lowe_Receivers
Date: 2017-02-15 14:24:21 UTC
From: g8jmb@...
Topic: 1080 Message: 1089

Hi John
Thanks for your help. Encoder prices - tmost of the Bourns units seemed dear relative to the low cost consumer type units on offer now. Especially the ball race types.

However, I don't think it will be necessary at present I bit the bullet and dismantled the radio - a right fiddly job, 17 screws to get inside. I think the assembly shows a lack of production engineering skills at Lowes. Turns out the encoder was loose, so I tightened the nut and applied loctite The wobble went away and the tuning seems ok now. The solder joints looked ok; if the trouble reoccurs I'll look for hairline pcb track breaks in that area..

So that's a success - I hope. Although the tuning does not have a nice spin- wheel feel; I feel some workshop time coming on to make me a knob with a handle.

Moving on to my HF-225. I'll reactivate this radio - it's been shelved a while.
1. Does the radio tune properly at low speeds, ie no jumps or missed steps in the tuning? If the answer is no, then I think that the encoder is defective. Yes

2. Has this problem existed as long as you have had the radio? Yes

3. What happens when you try and tune in high speed? you get slow tuning
https://groups.yahoo.com/neo/groups/lowe_hfreceivers/conversations/messages/1202
You should check the listed components and the date code on your 225 to see if it might come from that era.

I rejoined lowe_hfreceivers - you need to wash your hands [or some other part of your body] after you go there now, which was why I left. However, the old posts seem ok.

I wonder if we are distantly related? - my grandmother, from East Yorkshire , was a Crabtree

73
John M Button

G8JMB

1090. HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-03-29 19:02:51 UTC
From: hornpipe112@...
Topic: 1090 Message: 1090

HF 150 - 150M

Anyone know the difference? it's not clear from the files.

John
G8JMB

1091. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-03-29 19:08:47 UTC
From: Tracey Gardner
Topic: 1090 Message: 1091
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1092. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-03-29 19:10:49 UTC
From: Tracey Gardner
Topic: 1090 Message: 1092
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1093. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-03-29 19:17:02 UTC
From: crabtreejr@...
Topic: 1090 Message: 1093

Tracey has already spoken about the HF-150M having a white case.

I vaguely remember that the HF-150M may have had 12 volts available on the antenna input for an active antenna. ??? I am definitely not sure about this. If you find anything definite, please let us know.

73 John KC0G

-----Original Message-----
From: hornpipe112@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Wed, Mar 29, 2017 2:03 pm
Subject: [Lowe_Receivers] HF 150 - 150M

HF 150 - 150M

Anyone know the difference? it's not clear from the files.

John
G8JMB

1094. RE: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-03-29 21:09:32 UTC
From: Robert Allen
Topic: 1090 Message: 1094

Oh, the white one. One other feature I remember reading about was that the motherboard was supposedly treated to reduce/avoid corrosion from salt air.

- Robert

1095. HF-125 for sale

Yahoo group: Lowe_Receivers
Date: 2017-03-30 06:24:58 UTC
From: mikemaghakian@...
Topic: 959 Message: 1095

I have an HF-125 for sale
comes with keypad
comes with original manual and more

looks pretty good
works fairly well, the tuning seems to go backwards a kHz as you are tuning but you don't hear it and it is not nearly as bad as it sounds.

very collectable

for sale with money back guarantee in the USA

email me at mmaghakian@yahoo.com for pictures and more info if you have questions

1096. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-03-30 07:05:21 UTC
From: Tracey Gardner
Topic: 1090 Message: 1096
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1097. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-03-30 14:29:23 UTC
From: crabtreejr@...
Topic: 1090 Message: 1097

Hello John

Also search the archives of the other Yahoo group, ie
lowe_hfreceivers
using the search term "150M", and you will find what you want to know.

73 John KC0G

-----Original Message-----
From: hornpipe112@yahoo.com [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com>
To: Lowe_Receivers <Lowe_Receivers@yahoogroups.com>
Sent: Wed, Mar 29, 2017 2:03 pm
Subject: [Lowe_Receivers] HF 150 - 150M

HF 150 - 150M
Anyone know the difference? it's not clear from the files.

John

G8JMB

1098. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-03-31 23:44:38 UTC
From: hornpipe112@...
Topic: 1090 Message: 1098

---In Lowe_Receivers@yahoogroups.com, <crabtreejr@...> wrote :

Hello John

Also search the archives of the other Yahoo group, ie
lowe_hfreceivers using the search term "150M", and you will find what you want to know.

Hi John
I did just that and the relevant files appear to have been removed; digging further there were references to an AA-150 active antenna, which sounds interesting, but there were no schematics for it.

John

G8JMB

1099. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-04-01 01:08:26 UTC
From: fraser.castle@...
Topic: 1090 Message: 1099

About the HF150M and HF-150M2

1. The HF-150M was intended to to be fitted in maritime pleasure craft. As such it was supplied in the white colour scheme that is common on such vessels.

2. The HF-150M PCB was coated with a lacquer to help prevent degradation due to salt air. Crucially it is NOT marinised. That is to say, it does not have any seals on the tuning shaft, push buttons or I/O ports. It is anything but water proof ! The SO239 connector is of a plated alloy material that corrodes badly in salt air.

3. The HF-150M has the added capability of phantom power on the aerial socket to power an active aerial via the coaxial cable. The supply is 12V DC and is protected with a polyfuse. The phantom power supply to the socket is enabled and disabled via a link on the bottom pf the PCB. this is accessed by removing the case bottom plate. The components for the phantom power supply were just added to a standard HF-150 PCB and are more of a modification than a design change. For this reason, no public release schematics show this facility.

4. Lowe offered an active HF aerial for use with the HF-150M. The aerial could be used with other HF series receivers provided a power inserter was used..The "AA-150 active antenna" is a quality product made by 'RF Systems' for Lowe. The design uses materials suited to the marine environment, including stainless steel case and whip. RF Solutions specialise in making low noise active antennas and the AA-150 is an excellent performer. With the HF-150M it may be powered directly from the phantom power on the coaxial cable and no power inserter is needed.

5. SMC also produced a marine version of the HF-150 when they took over the production of the model. the receiver was titled the HF-150M2 and it was different in two significant respects.

a) It is an all black case
b) The tuning encoder is a high quality ball raced 25ppr Bourns Optical type. This is a far superior product to the original ALPS mechanical encoders. The 25ppr is half that of teh ALPS mechanical units ppr.

The schematic and some pictures of the HF-150M phantom power circuit may be found here:

https://groups.yahoo.com/neo/groups/Lowe_Receivers/photos/albums/1328426815
https://groups.yahoo.com/neo/groups/Lowe_Receivers/photos/albums/1328426815

The details of the AA-150 antenna may be found here::

https://groups.yahoo.com/neo/groups/Lowe_Receivers/files/AA-150%20Whip%20Antenna/

https://groups.yahoo.com/neo/groups/Lowe_Receivers/photos/albums/1328426815
https://groups.yahoo.com/neo/groups/Lowe_Receivers/photos/albums/1328426815

I own examples of the HF-150M2 and three AA-150 antennas. All are available to purchase from my collection as i am no longer active in this area.

Fraser
(Group Owner)

1100. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-04-01 01:15:45 UTC
From: fraser.castle@...
Topic: 1090 Message: 1100

A picture of the RF Systems "Lowe AA-150" antenna is to be found here:

https://groups.yahoo.com/neo/groups/Lowe_Receivers/photos/albums/729080082
https://groups.yahoo.com/neo/groups/Lowe_Receivers/photos/albums/729080082

Fraser

1101. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-04-01 15:45:46 UTC
From: hornpipe112@...
Topic: 1090 Message: 1101

Fraser
Thanks for the info.

It would be nice to see a circuit for the AA-150 amplifier.

73
John
G8JMB

1102. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-04-01 16:27:31 UTC
From: fraser.castle@...
Topic: 1090 Message: 1102

That is not going to happen.....

RF Systems are infamously tight lipped over their pre-amplifier designs.

They designed the low noise, high IP3 amplifiers as part of a Government contract and that is all they will say on the matter..... I asked :) The pre-amplifier is well protected in very hard potting compound within the Stainless steel casing. An attempt to remove it would destroy the electronics in the process. The potting compound protects the electronics from the hostile environs of a life at sea. n

The AA-150 whip aerial does perform very well when provided with a decent ground plane. It is low noise and has not show overload symptoms in my limited use, but then I am not near any high power transmitters ! The AA-150 performed so well that RF Systems include it in their own range of products.

I also own a new and unused RF Systems DX-ONE MkII aerial system that looks like a giant egg beater. That aerial houses the pre-amplifier inside an Aluminium case so I was able to X-Ray image it. I could see various torroids inside but no greater detail. I understand the broadband torroids were a crucial part of the development program that achieved such a good performance from the aerial system.

Both the AA-150 and DX ONE MKII aerials will be going on ebay in due course as I have no need of them. I am open to offers if anyone is desperate for such an aerial. All are new and have not been outside.
.
Fraser

1103. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-04-04 14:52:40 UTC
From: JRTOW3RD@...
Topic: 1090 Message: 1103

I think that the finest Lowe accessory is the PR-150 preselector. It's tracking dual tuned circuits cost ~6 dB in loss, but this can be made up with a 6-10 dB 'pre-amp' (Actually, a post-amp when used with the preselector' - but usable alone, ie, in 'Wideband'.). Since I feed my Pixel RF Pro-1a loop's output through the PR-150 and then to my homrbrew 4-port splitter, as that is my only antenna due to HOA restrictions and I still have my R30A, R-75, HF-225, NRD-525, HF-150, & PL-880 to share the signals with, I can make up - and then some - for the splitter's loss. While the tuned circuits tune from 100 kHz to 30 MHz in seven bands, plus bypass ('Wideband'), the pre-amp still works (... and my splitter does, too.) at 60 kHz (WWVB), whee it adds a few dB o gain. At $250 NIB it, and the HF-150 ($499!) were the last new ones EEB in VA had years ago - my first Lowe purchase.

I still maintain that the added front-end selectivity of the PR-150 to the HF-150 is a necessity - and a good second purchase, with the first purchase being a decent and efficient hifi bookshelf speaker, like a Klipsch R14M, R15M, KB-15, or RB-10, which I use and bought for $90 -$129 per pair. The HF-150 (... and 225!) have great audio.

John

1104. Re: [Lowe_Receivers] HF 150 - 150M

Yahoo group: Lowe_Receivers
Date: 2017-04-05 00:52:56 UTC
From: johnmblack@...
Topic: 1090 Message: 1104

Hi, Fraser. For some reason I thought you were not well, but I am glad to see you here!

I'm the guy who bought the HF-150 ensemble from you that disappeared in transit. Sigh.....

I still have a PR-150 that's missing the knob and a couple of the front panel switches; do you have any spare parts for it?

regards,

John KB5AG

1105. HF 225 needs help

Yahoo group: Lowe_Receivers
Date: 2017-04-24 13:54:58 UTC
From: seduraed1@...
Topic: 1105 Message: 1105

Ihve a 225 but am getting terrible whines and whistles and no useable signals . I am usung the supplied whip. but there is damage to the bnc connector. Broadcast medium wave produce some signals but even radio 4 on 198 has to fished out of a mess of noise. on higher frequencies there in a a sort of pulse of sound every ew seconds with the meter going from 1 to plus 8 . Should i just cut my losses and try to by onother one or is there anyone left who can repair these ?

Thanks .

1106. Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2017-05-06 05:38:40 UTC
From: dx@...
Topic: 895 Message: 1106

Hi John,

This thread is 2-1/2 years old, but I wanted to jump back in to say that I never could get my HF-150 receiver (discussed here) to work properly. I tried everything suggested, and even asked my good friend Craig at Kiwa Electronics to look at the HF-150's schematic and give me his thoughts.

That receiver went the way of the "For Parts or Repair" auctions on Ebay. However, I've recently acquired a very nice HF-150 *THAT WORKS THE WAY IT SHOULD* ! I bought it through Ebay UK for ~$150, and even with the extra cost of a freight forwarder it was a great deal. The radio is definitely cut from the same cloth as other fine John Thorpe designed receivers I've owned--great audio and reception!

I've bought one of Dennis' "Wirechief" keypads, and have acquired the parts for some upgrades and additions: I'm adding LCD backlighting with this backlight module from Adafruit https://www.amazon.com/gp/product/B00R5CDHNI/ref=oh_aui_detailpage_o02_s00?ie=UTF8&psc=1, recommended by Eckhard a couple of years ago. I found a source for the Bournes ball-bearing type optical encoder which was about $20 less than today's typical prices, so I'm doing that mod (as I did to a HF-225). I have a www.73CNC.com http://www.73CNC.com weighted tuning knob with spinning finger dimple that I'll be adding; it's a knob (incl. the rubber rim) that I had left over from an ICOM IC-R75 project. Lastly, Craig at Kiwa is sending me a "kit" of parts for the HF-150 Audio & Switching Diode Mod he offers.

This should be one sweet HF-150 when I'm done with it. BTW, I'm still using the Infiniti P143 speaker you recommended for the Lowe receivers. What a great combo! It really rocks on Radio New Zealand Intl.'s Maori and Pacific Islands music programs.

73, Guy

1107. Re: I found the ultimate speaker for my HF-150 & 225

Yahoo group: Lowe_Receivers
Date: 2017-05-09 15:16:10 UTC
From: JRTOW3RD@...
Topic: 895 Message: 1107

It sounds like you got a good 150 this time, Guy... congratulations!

I considered a couple of series connected white LED's for back lighting, but considered it's 20 mA of additional battery drain, not to mention the dissection required of the now almost antique LCD readout, and nixed it. I also reasoned that I'd always have a small LED flashlight to read by, anyway (Recall I take the 150 & NiMH AA's to the Gulf Coast in lieu of my 2010.). I considered a weighted knob for my R8 - nixed that, too, over wear concerns. My much-modified NRD-525 is still a hard act to follow, knob/encoder-wise. I've become accustomed to the 150 and 225s' stock knobs - all three still work fine and should last - especially if I fix or replace their stock keyboards, both of the keyboards have become undependable (Mostly inoperable 0, 6, & * keys!), while Dennis' unit, which I bought three plus years back, works fine. They do spoil you - especially after using the 150 for over a decade without one! Let us know how the various mods work.

I did buy a pair of NOS Murata CFS-455G & I, 8 & 4 kHz 16 pole ceramic filters, to replace the 225's 4 & 7 kHz filters - I know I won't get much improvements in the skirts due to lead dress and CB layout - perhaps why I haven't tried it yet. The P143 speaker is a decent improvement - but I found the 'ultimate' Lowe extension speaker - one of my vintage Klipsch Heresys! If I don't already have a picture of my 225 atop the Heresy in the photo section here, I'll add one. They are still made in the USA, have a 12" LF and both MF & HF horns, still made with real wood veneers, and only $999/ea! My vintage pair ran less than my 225 did, thanks to Craig's List. Sadly, the P143s dried up some time back. The good news is the Klipsch PRC-made 4" LF/1" horn-loaded dome bookshelf speakers, like the B-10, R-10B, & R-14M, sound at least as good, are more sensitive, and were bought on sale for $89-$99 a pair. The larger (5" LF driver) KB-15 & R-15M are a bit louder and have a bit deeper bass, but will run $129-$199 per pair. Both speech and music sound so much better/louder than the do over a RS Minimus 7.

John

1108. Photo of HF-225 and Klipsch speakers added

Yahoo group: Lowe_Receivers
Date: 2017-05-09 16:55:33 UTC
From: JRTOW3RD@...
Topic: 1108 Message: 1108

I just added a picture of my HF-225 sitting atop and connected to one of my vintage American-made Klipsch Heresy speakers. Of course it's absurd - the floor-mounted Heresy speaker has a 12" LF and both MF & HF drivers are real horns - and it is expensive, current versions running $999/each with no discount given, save, perhaps, shipping. My vintage pair were bought last autumn off of Craig's List for less half the current single Heresy's cost The little bookshelf speaker sitting alongside the Lowe receiver is it's regular speaker - a PRC made Klipsch bookshelf with a 90 dB SPL (The Heresy is 96 dB - four times as loud as the B-10, which is almost four times as loud as the old standard RS Minimus/Optimus 7 @ 85 dB SPL.). They - and the similar R-10B and even the more recent R-14M - have a 4" LF driver and a 1" Al or Ti dome horn-loaded for the HF. Music sounds great - speech sounds crisp - moot testimony to Lowe's excellent audio quality.

Oh, sure - the Heresy was louder - super mid-frequencies and mid bass down to 50 Hz or so. I recalled the huge old tube-type stand-alone AM, etc, consoles in their fine wood cabinets that I repaired in the early/middle sixties after school. But it only lost a bit in loudness with the smaller bookshelf speakers, recall that the Lowes running off of 12V DC can only put out <2 Watts (RMS) @ 8 Ohms. The Wharfdale speaker, Lowe S-225, was available overseas, but included in the Lowe 10/90 reply to my letter re HF-225 & accessories cost, they suggested I buy a locally sourced speaker due to weight and shipping. New, including air post, the HF-225, D-225, and K-225 (KPAD) wouldn't have left much change from a kilo-buck - almost what a new R8 cost - then. It was quite a while before I would actually buy a Lowe - and it was an HF-150 & PR-150 (Both new/closeouts.). I finally got my first HF-225 four years ago - adding a second one fifteen months ago.

Sadly RA on 9,580 kHz local mornings was a great signal year around here - QRM free. I used AM-Sync and 10 kHz BW for hifi reception - just a memory since the ABC left SW in January. Local AM oldies are hit or miss nowadays. Good news... speech, even SSB - is brisk and easier to understand and not tiring to listen to. I am approaching 69, so aural level and clarity are important to me!

John

1109. Hf 225 replacing the lights ...help

Yahoo group: Lowe_Receivers
Date: 2017-06-20 21:19:33 UTC
From: nigsalf5656@...
Topic: 1109 Message: 1109

hi guys ,i have just joined the group and wonder if anybody has replaced the dim front lights on this reciever ? if so and in laymans terms how is it done . also are there any other worthwile mods to enhance a super rx ?

thanks from England
73's
Nigel

1110. Re: [Lowe_Receivers] Hf 225 replacing the lights ...help

Yahoo group: Lowe_Receivers
Date: 2017-06-21 07:17:54 UTC
From: David Chadwick
Topic: 1109 Message: 1110

Hello Nigel, I used strip LEDs , and somewhere on this site you might find some pics I put up showing the arrangement, which I did at the same time as customising the front panel.
The title deals with finding a 12volt take off point for the additions

the conversation dates back to item number 1064, 17 Jun 2016,

kind regards
David G0SKK 73s

On 20 June 2017 at 22:19, nigsalf5656@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> hi guys ,i have just joined the group and wonder if anybody has replaced
> the dim front lights on this reciever ? if so and in laymans terms how is
> it done . also are there any other worthwile mods to enhance a super rx ?
>
> thanks from England
> 73's
> Nigel
>
>

1111. Re: Hf 225 replacing the lights ...help

Yahoo group: Lowe_Receivers
Date: 2017-06-26 20:59:39 UTC
From: nigsalf5656@...
Topic: 1109 Message: 1111

thanks Dave , got it ...play time now

1112. Re: Hf 225 replacing the lights ...help

Yahoo group: Lowe_Receivers
Date: 2017-06-28 19:32:47 UTC
From: nigsalf5656@...
Topic: 1109 Message: 1112

i have put some pix up inj the photo section with a white led strip and in test mode

1113. Re: Hf 225 replacing the lights ...help

Yahoo group: Lowe_Receivers
Date: 2017-06-29 07:03:26 UTC
From: numptydad349@...
Topic: 1109 Message: 1113

d**n, that's better than mine !!!!!!!!!!!!!!!!

1114. best pots to touch to improve rx

Yahoo group: Lowe_Receivers
Date: 2017-07-07 10:51:14 UTC
From: nigsalf5656@...
Topic: 1114 Message: 1114

hi peeps , does anybody know the pots to tweek for best and optimal performance in the HF-225 , i used to have a sheet of paper back in the day with the pots on and the best setting using north south east west as a guide but sadly lost many house moves ago ...

1115. Fraser returns ! And I am selling all my Lowe kit and spares !

Yahoo group: Lowe_Receivers
Date: 2017-07-25 14:12:33 UTC
From: fraser.castle@...
Topic: 1115 Message: 1115

Dear fellow members of this Group.

I have been absent for a significant time from this Group due to ill health.

It has taken many years to recover but I think I am now getting better. It is time to assess my life and interests.

I retired early from my job in 2015 aged only 48 and it will be 2027 before I get my office pension :(

I have decided to rehome much of my Radio and test equipment as it does not see enough use. I am more focussed on collecting and repairing thermal imaging cameras these days.

To those who I have failed to respond to or failed to offer help to, I apologise. life got very complicated, very quickly and for a long time. Thankfully I have great friends, family and an angel of a wife.

I have decided to sell all of my Lowe receivers and accessories as well as other HF receivers etc. I have an awful lot to sell !
I will also be selling the Lowe spares that I hold. This is significant as there are very limited spares being held by myself and a couple of others after we bought the SMC spares inventory a few years ago. I have some very rare spares including the ALPS tuning encoders and Bournes optical encoders used in the HF-150 Europa and SMC HF150's.

What will I be selling ? From memory I have the following

Lowe HF-150 receivers in lovely condition - MANY !
SMC HF-150 and 150M receivers in lovely condition - SEVERAL
Lowe HF-150M Marine supplied in Black case with Bronze faceplate and Bourns optical encoder. This appears to have been a special order from Lowe or a prototype. Never have I seen another. Power for AA-150 provided.
Lowe PR-150 preselected in lovely condition - Only 2 in stock
Lowe AA-150 active whip antenna for HF-150M or HF-150 with power injector. Superb quality from RF Systems factory. - new and unused. - Only 3 in stock,
Lowe HF-125 receivers - SEVERAL, some in need of restoration/repair
Lowe HF 150, HF 225 KPAD-1 keypad -Genuine item in lovely condition - SEVERAL
Lowe HF-150 IR remote control unit for IR remote (included) and PC control -3rd party product. Nice - Only 1
Lowe IF-150 PC control interface - SEVERAL
Lowe HF-150 genuine service manual

Lowe HF-150 spares - LOTS !

Including

LCD display
Backlight PCB
Most IC's including microprocessor (both standard and Europa)

Part Donor and Test rig HF-150 PCB's - SEVERAL
ALPS mechanical 50 cpr encoders - SEVERAL
Bourns optical encoder for Europa, SMC and upgrade to standard HF-150 -SEVERAL
Various IF filters including SSB and 10.7MHz - MANY
Tuning Knob -MANY
KPAD-1 populated PCB's -Several
KPAD-1 unpopulated PCB's - a few
Large Rubber feet
Front panel
Bronze case (undrilled)

HF-125 spares

Remote control keypad interface
FM board
ALPS Encoders
LCD Display
IF filters
Front panel label
Complete spares donor receivers missing some parts.

HF-225 spares

ALPS Encoders
IF filters
LCD driver
Front panel label
KPAD-1 pcbs

There are lots of spares so if you need something, just ask. My spares kits sold very well on eBay as they ensure the longevity of these, now elderly, receivers.

If you are interested in buying any of this kit, please contact me. I may be willing to do 'bulk' deals on spares as well.
I am not looking for silly prices on any of this kit, but I do need to recover my investments. I am willing to ship internationally.

My location is near Milton Keyne UK. Collection is possible.

Fraser

1116. Re: Fraser returns ! And I am selling all my Lowe kit and spares !

Yahoo group: Lowe_Receivers
Date: 2017-07-25 17:20:22 UTC
From: nigsalf5656@...
Topic: 1115 Message: 1116

hi Fraser i wonder if you have any hf-150 pc connection units left and how much , i think the unit will run on an hf-225 ....please email me , i have sent you an email to what i think is your email

Nigel

1117. Re: Fraser returns ! And I am selling all my Lowe kit and spares !

Yahoo group: Lowe_Receivers
Date: 2017-07-25 23:23:25 UTC
From: fraser.castle@...
Topic: 1115 Message: 1117

To those. Who have contacted me regarding the receivers and spares I am selling, thank you for your interest.

I will answer each query individually in due course so please be patient with me.

For those who asked about HF-225 receivers for sale, sorry, I sold all of my HF-225's years ago.

Regarding the IF-150 compatibility with the HF-225. It is my understanding that thecIF-150 is not compatible with the HF-225 as the data packet differs. I know the KPAD-1 works on both but the command sequence differs in a small, but important way that I have forgotten. This minor difference causes issues with the IF-150 .

Regarding the Lowe and SMC versions of the HF-150.... The Lowe receiver is the first and original model, but the SMC version that came after Lowe ceased production is as good, and in some ways better than the original. Lowe helped SMC get over some initial manufacturing quality issues but bear in mind that the SMC PCB's were populated by the same 3rd party company that provided the service to Lowe. I personally like the all black SMC receivers and the Bourns optical encoder was fitted as standard. I have no hesitation in recommending both the Lowe and SMC versions of the HF-150.

Fraser

1118. Re: [Lowe_Receivers] Fraser returns ! And I am selling all my Lowe kit and spares !

Yahoo group: Lowe_Receivers
Date: 2017-07-26 05:10:28 UTC
From: najrao66
Topic: 1115 Message: 1118

Dear Fraser,I hope you remember me. I am much relieved and happy to hear that you have recovered fully from illness.My 150 continues to work moderately well even now. Thank you for the help you gave me to restore it from seemingly dead-as-a-duck condition. What a chap!I got myself an R8B last year. Works fine, but I never got into the myriad program features it offers.HF is dead. All the international broadcasters are gone for ever, and propagation has remained terrible all these months and years.I have turned 76 and can no longer take on serious projects, so can not help myself to your offer of spares and stocks.I wish you well for the future.Janardan.
Sent from mylaxy Tab® S2
-------- Original message --------From: "fraser.castle@btinternet.com [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com> Date: 7/25/17 7:42 PM (GMT+05:30) To: Lowe_Receivers@yahoogroups.com Subject: [Lowe_Receivers] Fraser returns ! And I am selling all my Lowe kit and spares !

Dear fellow members of this Group.
I have been absent for a significant time from this Group due to ill health.
It has taken many years to recover but I think I am now getting better. It is time to assess my life and interests.
I retired early from my job in 2015 aged only 48 and it will be 2027 before I get my office pension :(
I have decided to rehome much of my Radio and test equipment as it does not see enough use.
I am more focussed on collecting and repairing thermal imaging cameras these days.
To those who I have failed to respond to or failed to offer help to, I apologise. life got very complicated, very quickly and for a long time. Thankfully I have great friends, family and an angel of a wife.
I have decided to sell all of my Lowe receivers and accessories as well as other HF receivers etc. I have an awful lot to sell !I will also be selling the Lowe spares that I hold. This is significant as there are very limited spares being held by myself and a couple of others after we bought the SMC spares inventory a few years ago. I have some very rare spares including the ALPS tuning encoders and Bournes optical encoders used in the HF-150 Europa and SMC HF150's.
What will I be selling ? From memory I have the following
Lowe HF-150 receivers in lovely condition - MANY !SMC HF-150 and 150M receivers in lovely condition - SEVERALLowe HF-150M Marine supplied in Black case with Bronze faceplate and Bourns optical encoder. This appears to have been a special order from Lowe or a prototype. Never have I seen another. Power for AA-150 provided.Lowe PR-150 preselected in lovely condition - Only 2 in stockLowe AA-150 active whip antenna for HF-150M or HF-150 with power injector. Superb quality from RF Systems factory. - new and unused. - Only 3 in stock, Lowe HF-125 receivers - SEVERAL, some in need of restoration/repairLowe HF 150, HF 225 KPAD-1 keypad -Genuine item in lovely condition - SEVERALLowe HF-150 IR remote control unit for IR remote (included) and PC control -3rd party product. Nice - Only 1Lowe IF-150 PC control interface - SEVERALLowe HF-150 genuine service manual
Lowe HF-150 spares - LOTS !
Including

LCD displayBacklight PCBMost IC's including microprocessor (both standard and Europa)Part Donor and Test rig HF-150 PCB's - SEVERALALPS mechanical 50 cpr encoders - SEVERALBourns optical encoder for Europa, SMC and upgrade to standard HF-150 -SEVERALVarious IF filters including SSB and 10.7MHz - MANYTuning Knob -MANYKPAD-1 populated PCB's -SeveralKPAD-1 unpopulated PCB's - a fewLarge Rubber feetFront panelBronze case (undrilled)
HF-125 spares
Remote control keypad interfaceFM boardALPS EncodersLCD DisplayIF filtersFront panel labelComplete spares donor receivers missing some parts.
HF-225 spares
ALPS EncodersIF filtersLCD driverFront panel labelKPAD-1 pcbs

There are lots of spares so if you need something, just ask. My spares kits sold very well on eBay as they ensure the longevity of these, now elderly, receivers.
If you are interested in buying any of this kit, please contact me. I may be willing to do 'bulk' deals on spares as well.I am not looking for silly prices on any of this kit, but I do need to recover my investments. I am willing to ship internationally.
My location is near Milton Keyne UK. Collection is possible.
Fraser

1119. Re: [Lowe_Receivers] Fraser returns ! And I am selling all my Lowe kit and spares !

Yahoo group: Lowe_Receivers
Date: 2017-07-26 07:12:48 UTC
From: David Chadwick
Topic: 1115 Message: 1119

Hello Fraser, and I'm glad you are back to something like robust health; where would we be without wives and family?

I would be interested in the HF 225 front panel label; if you can let me know the cost including postage, and of course how to pay.

I am not sufficiently technically capable, so when my 225 bites the dust, I doubt I shall be able to find the fault, never mind repair it.
again, best wishes for the future

David Chadwick

On 25 July 2017 at 15:12, fraser.castle@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> Dear fellow members of this Group.
>
>
> I have been absent for a significant time from this Group due to ill
> health.
>
>
> It has taken many years to recover but I think I am now getting better. It
> is time to assess my life and interests.
>
>
> I retired early from my job in 2015 aged only 48 and it will be 2027
> before I get my office pension :(
>
>
> I have decided to rehome much of my Radio and test equipment as it does
> not see enough use. I am more focussed on collecting and repairing thermal
> imaging cameras these days.
>
>
> To those who I have failed to respond to or failed to offer help to, I
> apologise. life got very complicated, very quickly and for a long time.
> Thankfully I have great friends, family and an angel of a wife.
>
>
> I have decided to sell all of my Lowe receivers and accessories as well as
> other HF receivers etc. I have an awful lot to sell !
>

> I will also be selling the Lowe spares that I hold. This is significant as
> there are very limited spares being held by myself and a couple of others
> after we bought the SMC spares inventory a few years ago. I have some very
> rare spares including the ALPS tuning encoders and Bournes optical encoders
> used in the HF-150 Europa and SMC HF150's.
>
>
> What will I be selling ? From memory I have the following
>
>
> Lowe HF-150 receivers in lovely condition - MANY !
>
> SMC HF-150 and 150M receivers in lovely condition - SEVERAL
>
> Lowe HF-150M Marine supplied in Black case with Bronze faceplate and
> Bourns optical encoder. This appears to have been a special order from Lowe
> or a prototype. Never have I seen another. Power for AA-150 provided.
>
> Lowe PR-150 preselected in lovely condition - Only 2 in stock
>
> Lowe AA-150 active whip antenna for HF-150M or HF-150 with power injector.
> Superb quality from RF Systems factory. - new and unused. - Only 3 in
> stock,
>
> Lowe HF-125 receivers - SEVERAL, some in need of restoration/repair
>
> Lowe HF 150, HF 225 KPAD-1 keypad -Genuine item in lovely condition -
> SEVERAL
>
> Lowe HF-150 IR remote control unit for IR remote (included) and PC control
> -3rd party product. Nice - Only 1
>
> Lowe IF-150 PC control interface - SEVERAL
>
> Lowe HF-150 genuine service manual
>
>
> Lowe HF-150 spares - LOTS !
>
>
> Including
>
>
> LCD display
>
> Backlight PCB
>
> Most IC's including microprocessor (both standard and Europa)
>
> Part Donor and Test rig HF-150 PCB's - SEVERAL

>
> ALPS mechanical 50 cpr encoders - SEVERAL
>
> Bourns optical encoder for Europa, SMC and upgrade to standard HF-150
> -SEVERAL
>
> Various IF filters including SSB and 10.7MHz - MANY
>
> Tuning Knob -MANY
>
> KPAD-1 populated PCB's -Several
>
> KPAD-1 unpopulated PCB's - a few
>
> Large Rubber feet
>
> Front panel
>
> Bronze case (undrilled)
>
>
> HF-125 spares
>
>
> Remote control keypad interface
>
> FM board
>
> ALPS Encoders
>
> LCD Display
>
> IF filters
>
> Front panel label
>
> Complete spares donor receivers missing some parts.
>
>
> HF-225 spares
>
>
> ALPS Encoders
>
> IF filters
>
> LCD driver
>
> Front panel label
>

> KPAD-1 pcbs
>
>
>
> There are lots of spares so if you need something, just ask. My spares
> kits sold very well on eBay as they ensure the longevity of these, now
> elderly, receivers.
>
>
> If you are interested in buying any of this kit, please contact me. I may
> be willing to do 'bulk' deals on spares as well.
>
> I am not looking for silly prices on any of this kit, but I do need to
> recover my investments. I am willing to ship internationally.
>
>
> My location is near Milton Keyne UK. Collection is possible.
>
>
> Fraser
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>

1120. HF-225 Elevation Feet

Yahoo group: Lowe_Receivers
Date: 2017-07-27 18:38:32 UTC
From: pjxii@...
Topic: 1120 Message: 1120

Hi, I'm sure this is an odd subject but I received my 225 Europa with the elevation feet on the back end. It would be far more useful to have the front panel elevated (didn't realize that the back panel could be raised, never seen that before). I'm afraid to yank too hard to pull them out and replace them on the front feet, since they're plastic and might break. Has anyone cole across this and is there an easy way to slide them out of the feet? Thanks!
Bill

1121. Re: HF-225 Elevation Feet

Yahoo group: Lowe_Receivers
Date: 2017-07-28 17:34:47 UTC
From: caladonia5560@...
Topic: 1120 Message: 1121

Bill, it seems likely that the bottom cover of your 225 Europa has been put on backwards, just remove the two screws on each side and reverse the cover.

Les

1122. Re: HF-225 Elevation Feet

Yahoo group: Lowe_Receivers
Date: 2017-07-29 19:12:36 UTC
From: pjxii@...
Topic: 1120 Message: 1122

Unforunately, two of the screws won't come out. I ended up popping the feet out carefully by prying them back and forth. Getting them into the front holders is proving to be difficult, hoped they'd pop in with pressure but may need to pry them apart carefully to match the holes with the small plastic knobs.

1123. Re: Fraser returns ! And I am selling all my Lowe kit and spares !

Yahoo group: Lowe_Receivers
Date: 2017-08-01 20:00:45 UTC
From: fraser.castle@...
Topic: 1115 Message: 1123

Fellow members, sorry for the delay in responding to enquiries about the Lowe kit I am disposing of.

I have been in discussion with a party that wishes to buy all of my Lowe equipment and spares. Negotiations are ongoing but it looks like all the kit is sold. I suspect the buyer will be selling the large number of receivers through a retail outlet so they may still come onto the market.

If anyone is really desperate for any particular item I may be able to extract it from the deal but the present offer is generous. I know people wanted receivers and the preselectors. £200 would secure an HF-150 or PR-150.

Fraser

1124. Re: [Lowe_Receivers] Re: Fraser returns ! And I am selling all my Lowe kit and spares !

Yahoo group: Lowe_Receivers
Date: 2017-08-02 07:00:29 UTC
From: David Chadwick
Topic: 1115 Message: 1124

hello Fraser, glad you have found a buyer for your stock, but I wonder if you would be able to supply the HF225 front panel label to me before moving your goods on?
kind regards
David

On 1 August 2017 at 21:00, fraser.castle@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:

>
>
> Fellow members, sorry for the delay in responding to enquiries about the
> Lowe kit I am disposing of.
>
> I have been in discussion with a party that wishes to buy all of my Lowe
> equipment and spares. Negotiations are ongoing but it looks like all the
> kit is sold. I suspect the buyer will be selling the large number of
> receivers through a retail outlet so they may still come onto the market.
>
> If anyone is really desperate for any particular item I may be able to
> extract it from the deal but the present offer is generous. I know people
> wanted receivers and the preselectors. £200 would secure an HF-150 or
> PR-150.
>
> Fraser
>
>
>

1125. Re: [Lowe_Receivers] Re: Fraser returns ! And I am selling all my Lowe kit and spares !

Yahoo group: Lowe_Receivers
Date: 2017-08-09 14:01:46 UTC
From: JRTOW3RD@...
Topic: 1115 Message: 1125

Fraser,

I was pleased to hear of your improved health - congratulations! And, yes, a loving and caring wife - and family - is a Blessing (My Alaina is such an example!). You have been a helpful and knowledgeable reference source for Lowe receivers and will be surely missed. Thank you so much!

John Tow

1126. replacement Lowe HF 225 power supply ..help

Yahoo group: Lowe_Receivers
Date: 2017-09-06 20:42:25 UTC
From: nigsalf5656@...
Topic: 1126 Message: 1126

hi guys my Lowe HF225 original power suply just went pop !!!! does any body know of a suitable replacement that i could buy off the shelf please ? Im in the Uk so would need a uk supplier

thanks in advance Guys
73's

Nigel

1127. RE: [Lowe_Receivers] replacement Lowe HF 225 power supply ..help

Yahoo group: Lowe_Receivers
Date: 2017-09-06 21:09:51 UTC
From: Robert Allen
Topic: 1126 Message: 1127

Any suitable 12-15 volt DC power supply. I'd recommend a linear/regulated, i.e. non switching power supply. In the US a low end Astron is perfect. I'm not sure in the UK. You'll have to cut the old connector off and wire it to the terminals of whatever supply you buy, typically by spade lugs or banana plugs.

- Robert

hi guys my Lowe HF225 original power suply just went pop !!!! does any body know of a suitable replacement that i could buy off the shelf please ? Im in the Uk so would need a uk supplier

1129. RE: [Lowe_Receivers] replacement Lowe HF 225 power supply ..help

Yahoo group: Lowe_Receivers
Date: 2017-09-06 22:22:35 UTC
From: Robert Allen
Topic: 1126 Message: 1129
Attachments: 2 described; binary payloads are missing from this source WARC

I looked on ebay UK and it seems that, I guess not surprisingly, there are no Astron power supplies in the UK. Astron is a US company and I think is only available for 115 V Ac.

But you want something like this http://www.ebay.co.uk/itm/Seif-Regulated-DC-Power-Supply-13-5V-For-CB-Radio-/332369252888?hash=item4d62c05218:g:cqIAAOSw3ZRY93Um . Not necessarily this exact unit, since I know nothing about the manufacturer, but in general a unit that runs off mains power and outputs "12 volts DC", which can be between 12-15 V DC. Linear/regulated means there's much less chance of noise being generated and thus picked up by your radio. "Switching" power supplies are often cheaper, but they also generate noise that may or may not interfere with listening. A decent regulated power supply will last a lifetime. And you can run multiple radios off a single supply usually. Most receivers require less than 1 am, and the smallest regulated 12 volt commercial power supplies are often 3 amps or more.

You might check out a local or online supplier of CB type radios in your area.

Robert

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: Wednesday, September 06, 2017 2:10 PM
To: Lowe_Receivers@yahoogroups.com
Subject: RE: [Lowe_Receivers] replacement Lowe HF 225 power supply ..help

Any suitable 12-15 volt DC power supply. I'd recommend a linear/regulated, i.e. non switching power supply. In the US a low end Astron is perfect. I'm not sure in the UK. You'll have to cut the old connector off and wire it to the terminals of whatever supply you buy, typically by spade lugs or banana plugs.

- Robert

hi guys my Lowe HF225 original power suply just went pop !!!! does any body know of a suitable replacement that i could buy off the shelf please ? Im in the Uk so would need a uk supplier

1130. RE: [Lowe_Receivers] replacement Lowe HF 225 power supply ..help

Yahoo group: Lowe_Receivers
Date: 2017-09-07 05:33:27 UTC
From: Jonathan Bignall
Topic: 1126 Message: 1130

Hi Nigel. The original PSU for my HF-225 failed some years ago. I replaced it with a linear regulated supply from Maplin in the UK which has worked fine. The last time I was in there they had some on special offer. Make sure it can deliver at least 400 milliamps of current.

-----Original Message-----
From: "nigsalf5656@... [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com>
Sent: □06/□09/□2017 21:42
To: "Lowe_Receivers@yahoogroups.com" <Lowe_Receivers@yahoogroups.com>
Subject: [Lowe_Receivers] replacement Lowe HF 225 power supply ..help

hi guys my Lowe HF225 original power suply just went pop !!!! does any body know of a suitable replacement that i could buy off the shelf please ? Im in the Uk so would need a uk supplier

thanks in advance Guys
73's

Nigel

1131. Re: [Lowe_Receivers] replacement Lowe HF 225 power supply ..help

Yahoo group: Lowe_Receivers
Date: 2017-09-07 12:30:54 UTC
From: Paul Jinks
Topic: 1126 Message: 1131

Hi Nigel
Get the best stable supply you can get.
When my HF150 supply failed I tried a standard 12v one. It worked but then I noticed the HF150 was not responding to commands very quickly via my PC or the handset or sometimes just ignoring commands.
I deduced it was a noise problem.
I looked on this forum and found out it was a common problem with cheap power supplies.
So I decided to use a 12v lead acid battery and the HF150 has never worked better.
Paul

1132. Replacement power supply for US Lowe receivers...

Yahoo group: Lowe_Receivers
Date: 2017-09-08 16:11:56 UTC
From: JRTOW3RD@...
Topic: 1132 Message: 1132

I bought my HF-150/PR-150 pair new from EEB in VA - and it came with a Lowe PS - actually a box with an AC cord and a DC cord - not your usual wall wart. When it developed a microphonic/intermittent internal fault, I ordered a ReliaPro 12V 1A "Plug In Class 2 Transformer" linear power supply, product #170245, from JameCo. You can see the diagram on their website - a split secondary feeding a FW rectifier/filter cap/7812-type 3-terminal regulator - pretty basic for a decent wall wart - UL-listed, too - and made in Taiwan. They still carry them for ~$15/ea (Other connectors and voltages are available.). One came with my new Palstar R30A, too. My two HF-225's are powered by them as well..

I eventually got round to looking at the HF-150's original PS - it had screws on the bottom. I resoldered the cold solder joint and put it back into service!

John

1133. HF 225 front panel / label

Yahoo group: Lowe_Receivers
Date: 2017-10-16 17:50:10 UTC
From: numptydad349@...
Topic: 1133 Message: 1133

Hi all,

has anybody got, or knows where I can get, a front panel label, or the panel with label for my HF 225, please. UK, but anywhere in world will do.

regards
Dave

1134. Re: [Lowe_Receivers] HF 225 front panel / label

Yahoo group: Lowe_Receivers
Date: 2017-10-18 11:04:45 UTC
From: Luuk
Topic: 1133 Message: 1134

Hallo Dave,
I still have one brand new.if interested contact me of list.
Luuk PD9RB

On Monday, October 16, 2017 7:50 PM, "numptydad349@... [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com> wrote:

  Hi all,
has anybody got, or knows where I can get, a front panel label, or the panel with label for my HF 225, please. UK, but anywhere in world will do.
regardsDave

1135. Re: [Lowe_Receivers] HF 225 front panel / label

Yahoo group: Lowe_Receivers
Date: 2017-10-18 19:33:46 UTC
From: numptydad349@...
Topic: 1133 Message: 1135

Hi Luuk, thank you for the reply, how much would you want for the panel, please? i would pay with Paypal, if that is OK.

kind regards
Dave

1136. Re: [Lowe_Receivers] HF 225 front panel / label

Yahoo group: Lowe_Receivers
Date: 2017-10-18 20:21:17 UTC
From: Luuk
Topic: 1133 Message: 1136
Attachments: 2 described; binary payloads are missing from this source WARC

Hi David, I have got it for about15 years I bought 2 from Lowe with some other stuff when I needed just one, andkept the other in case of some future repair, but after so many years I don’tthink that I will need it anymore I stopped repairing Lowe receivers some yearsago.I know they arevery rare and hard to get these days so I as 25€ for it, but it is in an absolutemind condition, PayPal is no problem to me.I shall ad somepictures to show it’s condition. Kind regards,Luuk

On Wednesday, October 18, 2017 9:33 PM, "numptydad349@... [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com> wrote:

  Hi Luuk,thank you for the reply, how much would you want for the panel, please? i would pay with Paypal, if that is OK.

kind regardsDave

1137. Re: [Lowe_Receivers] HF 225 front panel / label

Yahoo group: Lowe_Receivers
Date: 2017-10-19 14:21:58 UTC
From: numptydad349@...
Topic: 1133 Message: 1137

Hello Luuk, Thanks again for your prompt reply

Would you accept 20 Euros including shipping?

If so, please let me know the paypal email address to send payment, and I will send straightaway.

kind regards
Dave

1138. Re: [Lowe_Receivers] HF 225 front panel / label

Yahoo group: Lowe_Receivers
Date: 2017-10-19 15:14:10 UTC
From: Luuk
Topic: 1133 Message: 1138

Hi Dave,Sorry but I can't do that, you know it is nearly impossible to get it it is an unike item, so that makes the price.
Kind regards,Luuk

On Thursday, October 19, 2017 4:22 PM, "numptydad349@... [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com> wrote:

  Hello Luuk,Thanks again for your prompt reply

Would you accept 20 Euros including shipping?
If so, please let me know the paypal email address to send payment, and I will send straightaway.
kind regardsDave

1139. Re: [Lowe_Receivers] HF 225 front panel / label

Yahoo group: Lowe_Receivers
Date: 2017-10-19 15:52:58 UTC
From: David Chadwick
Topic: 1133 Message: 1139

Luuk, Oh well, it was worth a try, 25 Euros it is, please invoice me at numptydad349@...

kind regards
Dave

On 19 October 2017 at 16:14, Luuk radiohobby101@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:

>
>
> Hi Dave,
> Sorry but I can't do that, you know it is nearly impossible to get it it
> is an unike item, so that makes the price.
>
> Kind regards,
> Luuk
>
>
> On Thursday, October 19, 2017 4:22 PM, "numptydad349@...
> [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com> wrote:
>
>
>
> Hello Luuk,
> Thanks again for your prompt reply
>
> Would you accept 20 Euros including shipping?
>
> If so, please let me know the paypal email address to send payment, and I
> will send straightaway.
>
> kind regards
> Dave
>
>
>
>

1140. Re: [Lowe_Receivers] HF 225 front panel / label

Yahoo group: Lowe_Receivers
Date: 2017-10-19 18:53:39 UTC
From: Luuk
Topic: 1133 Message: 1140

Hi Dave,
I hope you are not in a hurry I shall try to send you an invoice next week, I am sick at home right now and cannotsend the front directly, so you get the invoice when I an ready to ship it to you.
Kind regards,Luuk

On Thursday, October 19, 2017 5:58 PM, "David Chadwick numptydad349@... [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com> wrote:

  Luuk, Oh well, it was worth a try, 25 Euros it is, please invoice me atnumptydad349@...
kind regardsDave
On 19 October 2017 at 16:14, Luuk radiohobby101@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:

  Hi Dave,Sorry but I can't do that, you know it is nearly impossible to get it it is an unike item, so that makes the price.
Kind regards,Luuk

On Thursday, October 19, 2017 4:22 PM, "numptydad349@... [Lowe_Receivers]" <Lowe_Receivers@yahoogroups. com> wrote:

  Hello Luuk,Thanks again for your prompt reply

Would you accept 20 Euros including shipping?
If so, please let me know the paypal email address to send payment, and I will send straightaway.
kind regardsDave

1141. Lowe SRX30D

Yahoo group: Lowe_Receivers
Date: 2017-11-20 21:05:52 UTC
From: w.spenkelink@...
Topic: 1141 Message: 1141

I own a Lowe SRX30D with the rare FM board inside since aug.2017
It works fine for such an oldie.
Have some questions(can't find answers via Google).
I wished to have the Kiwa audio mod....not possible,i mailed Kiwa....but they told me they have no Kiwa mod for this model....so pitty!
Who can tell me to make better sounding audio on AM(especially the strong signals sounding cracly).
I think some capacitors have to be replaced,but which ones??and what types??
And i would wish the AGC some lower/slower,strong stations in SSB mode are sounding too fast and nervously.
Can i fix this myself,is this a lot of work or simply be done?
Hope to get support with these questions.
Greetings,William(SWL) Netherlands.

1142. Lowe IF–150

Yahoo group: Lowe_Receivers
Date: 2017-12-22 08:03:21 UTC
From: rabej_de@...
Topic: 1142 Message: 1142

Hi, group,

I know, it’s rather unpromising but I am looking for an IF-150 interface for my newly acquired HF-150.
I did an intense search on the internet re. a homebrew solution but only found one webpage describing a solution based on an Arduino.
If you have a spare IF you want to get rid of or have any other suggestion, please let me know.
Thanks very much in advance.

Joachim Rabe

1143. RE: [Lowe_Receivers] Lowe IF–150

Yahoo group: Lowe_Receivers
Date: 2017-12-22 17:14:18 UTC
From: Bravo
Topic: 1142 Message: 1143
Attachments: 4 described; binary payloads are missing from this source WARC

Joachim

Attached circuits for remotes.

Anson

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: 22 December 2017 08:03
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Lowe IF–150

Hi, group,

I know, it‘s rather unpromising but I am looking for an IF–150 interface for my newly acquired HF–150.

I did an intense search on the internet re. a homebrew solution but only found one webpage describing a solution based on an Arduino.

If you have a spare IF you want to get rid of or have any other suggestion, please let me know.

Thanks very much in advance.

Joachim Rabe

1144. RE: [Lowe_Receivers] Lowe IF–150

Yahoo group: Lowe_Receivers
Date: 2017-12-22 17:48:09 UTC
From: rabej_de@...
Topic: 1142 Message: 1144

Hi, Anson,

unfortunately I had set my group membership to "daily digest" - therefore I wasn't able to see any attachment.
I have changed my membership to "individual emails".
Would you mind to re-send your message containing the circuits once more?

Thanks very much in advance.

73s

Joachim Rabe

1145. RE: [Lowe_Receivers] Lowe IF–150

Yahoo group: Lowe_Receivers
Date: 2017-12-22 19:32:36 UTC
From: Bravo
Topic: 1142 Message: 1145
Attachments: 4 described; binary payloads are missing from this source WARC

Jochim

As per your request message resent.

I can also add that a kit was available for around 20Euro but I can’t remember if it was for the keypad or P.C. Interface.

Unfortunately I can’t find the details at the moment but I will continue to search a advise success if appropriate.

Anson

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Sent: 22 December 2017 17:48
To: Lowe_Receivers@yahoogroups.com
Subject: RE: [Lowe_Receivers] Lowe IF–150

Hi, Anson,

unfortunately I had set my group membership to "daily digest" - therefore I wasn't able to see any attachment.
I have changed my membership to "individual emails".
Would you mind to re-send your message containing the circuits once more?

Thanks very much in advance.

73s

Joachim Rabe

1146. Re: [Lowe_Receivers] Lowe IF–150

Yahoo group: Lowe_Receivers
Date: 2017-12-22 19:47:58 UTC
From: Fraser Castle
Topic: 1142 Message: 1146

The Original Lowe IF-150 is available from me for £35 + postage.

It is an 'interpreter' using a PIC chip and not a simple level converter as per Icom and Yaesu.

Fraser

Sent from my iPad

> On 22 Dec 2017, at 19:32, 'Bravo' bravotelegraph@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:
>
> Jochim
>
>
>
> As per your request message resent.
>
> I can also add that a kit was available for around 20Euro but I can’t remember if it was for the keypad or P.C. Interface.
>
> Unfortunately I can’t find the details at the moment but I will continue to search a advise success if appropriate.
>
>
>
> Anson
>
>
>
> From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
> Sent: 22 December 2017 17:48
> To: Lowe_Receivers@yahoogroups.com
> Subject: RE: [Lowe_Receivers] Lowe IF-150
>
>
>
>
>
> Hi, Anson,
>
> unfortunately I had set my group membership to "daily digest" - therefore I wasn't able to see any attachment.
> I have changed my membership to "individual emails".
> Would you mind to re-send your message containing the circuits once more?
>

> Thanks very much in advance.
>
> 73s
>
> Joachim Rabe
>
>
>
> <Remotes.oxps>

1147. Re: [Lowe_Receivers] Lowe IF–150

Yahoo group: Lowe_Receivers
Date: 2017-12-22 19:50:35 UTC
From: Fraser Castle
Topic: 1142 Message: 1147

Correction to my last. It is not a PIC. It uses a Philips micro controller of the same type used in the HF-150, but in an SMD package. I even gave the programmed microcontrollers for a DIY IF-150.

Fraser

Sent from my iPad

> On 22 Dec 2017, at 19:47, Fraser Castle fraser.castle@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:
>
> The Original Lowe IF-150 is available from me for £35 + postage.
>
> It is an 'interpreter' using a PIC chip and not a simple level converter as per Icom and Yaesu.
>
> Fraser
>
> Sent from my iPad
>
>> On 22 Dec 2017, at 19:32, 'Bravo' bravotelegraph@... [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com> wrote:
>>
>>
>> Jochim
>>
>>
>>
>> As per your request message resent.
>>
>> I can also add that a kit was available for around 20Euro but I can’t remember if it was for the keypad or P.C. Interface.
>>
>> Unfortunately I can’t find the details at the moment but I will continue to search a advise success if appropriate.
>>
>>
>>
>> Anson
>>
>>
>>
>> From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
>> Sent: 22 December 2017 17:48
>> To: Lowe_Receivers@yahoogroups.com
>> Subject: RE: [Lowe_Receivers] Lowe IF-150

>>
>>
>>
>>
>>
>> Hi, Anson,
>>
>> unfortunately I had set my group membership to "daily digest" - therefore I wasn't able to see any attachment.
>> I have changed my membership to "individual emails".
>> Would you mind to re-send your message containing the circuits once more?
>>
>> Thanks very much in advance.
>>
>> 73s
>>
>> Joachim Rabe
>>
>>
>> <Remotes.oxps>
>
>

1148. AW: [Lowe_Receivers] Lowe IF–150

Yahoo group: Lowe_Receivers
Date: 2017-12-26 20:15:39 UTC
From: Joachim Rabe
Topic: 1142 Message: 1148

Hi, Fraser,

thanks very much for your kind offer.

Would you please be so nice as to contact me off-list (rabej_de(at)yahoo.de) to arrange for the payment.

Thanks very much in advance.

Joachim Rabe

Von: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]
Gesendet: Freitag, 22. Dezember 2017 20:51
An: Lowe_Receivers@yahoogroups.com
Betreff: Re: [Lowe_Receivers] Lowe IF–150

Correction to my last. It is not a PIC. It uses a Philips micro controller of the same type used in the HF-150, but in an SMD package. I even gave the programmed microcontrollers for a DIY IF-150.

Fraser

Sent from my iPad

On 22 Dec 2017, at 19:47, Fraser Castle fraser.castle@... <mailto:fraser.castle@...> [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com <mailto:Lowe_Receivers@yahoogroups.com> > wrote:

The Original Lowe IF-150 is available from me for £35 + postage.

It is an 'interpreter' using a PIC chip and not a simple level converter as per Icom and Yaesu.

Fraser

Sent from my iPad

On 22 Dec 2017, at 19:32, 'Bravo' bravotelegraph@btinternet.com <mailto:bravotelegraph@...> [Lowe_Receivers] <Lowe_Receivers@yahoogroups.com <mailto:Lowe_Receivers@yahoogroups.com> > wrote:

Jochim

As per your request message resent.

I can also add that a kit was available for around 20Euro but I can’t remember if it was for the keypad or P.C. Interface.

Unfortunately I can’t find the details at the moment but I will continue to search a advise success if appropriate.

Anson

From: Lowe_Receivers@yahoogroups.com <mailto:Lowe_Receivers@yahoogroups.com>
[mailto:Lowe_Receivers@yahoogroups.com]
Sent: 22 December 2017 17:48
To: Lowe_Receivers@yahoogroups.com <mailto:Lowe_Receivers@yahoogroups.com>
Subject: RE: [Lowe_Receivers] Lowe IF-150

Hi, Anson,

unfortunately I had set my group membership to "daily digest" - therefore I wasn't able to see any attachment.
I have changed my membership to "individual emails".
Would you mind to re-send your message containing the circuits once more?

Thanks very much in advance.

73s

Joachim Rabe

<Remotes.oxps>

1149. HF-225 display

Yahoo group: Lowe_Receivers
Date: 2018-01-07 06:45:31 UTC
From: m0zli@...
Topic: 1149 Message: 1149

Hi all,
I’m looking for a replacement display for my radio, or a way to improve the contrast as it is a bit dim. Any ideas?
Cheers
David

1150. Re: [Lowe_Receivers] HF-225 display

Yahoo group: Lowe_Receivers
Date: 2018-01-07 07:30:44 UTC
From: nigel alf
Topic: 1149 Message: 1150

hi David ...I had a strip of 12v LEDs put in as it fits nicely inside the case straight across the top of the screen board . hey presto a nice bright screen

Sent from Yahoo Mail on Android

On Sun, Jan 7, 2018 at 6:49, m0zli@... [Lowe_Receivers]<Lowe_Receivers@...m> wrote:

Hi all,

I’m looking for a replacement display for my radio, or a way to improve the contrast as it is a bit dim. Any ideas?

Cheers

David

1151. RE: [Lowe_Receivers] HF-225 display

Yahoo group: Lowe_Receivers
Date: 2018-01-07 11:04:34 UTC
From: Fraser Castle
Topic: 1149 Message: 1151

David,

The problem with the display back light is two fold. A sticky label was used as the white background to the light guide and this peels/discolours with age, and the LED illumination is pretty low intensity.

The light guide may ne painted with white enamel modelling paint on its rear to provide a high reflectivity and the LED illumination may be easily upgraded.

There is unlikely to be anything wrong with the LCD panel itself as they are very long life types.

Fraser

From: Lowe_Receivers@yahoogroups.com [mailto:Lowe_Receivers@yahoogroups.com]

Sent: 07 January 2018 06:46
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] HF-225 display

Hi all,

I'm looking for a replacement display for my radio, or a way to improve the contrast as it is a bit dim. Any ideas?

Cheers

David

1152. HF150 on EBAY UK

Yahoo group: Lowe_Receivers
Date: 2018-02-16 17:49:25 UTC
From: Paul Jinks
Topic: 1149 Message: 1152

Guys,

just noticed there is an HF150 for sale on EBAY UK.
Looks pristine.
Bids at £47 so far, 4 days left.
A bargain for someone!!

-PAUL

1153. Re: Fraser returns ! And I am selling all my Lowe kit and spares !

Yahoo group: Lowe_Receivers
Date: 2018-02-18 19:25:25 UTC
From: Hans-Christoph@...
Topic: 1115 Message: 1153

Dear Fraser,

I need 3 sockets for the Sp-150 audio jacks.
Can you help me?
73,Chris-OE5CSP

1154. Lowe HF-125 for sale

Yahoo group: Lowe_Receivers
Date: 2018-03-14 06:12:23 UTC
From: mikemaghakian@...
Topic: 1154 Message: 1154

I have a Lowe HF-125 for sale

email me at mmaghakian@yahoo.com to discuss details

1155. Lowe Receivers Groups will be moving !

Yahoo group: Lowe_Receivers
Date: 2018-03-30 21:11:10 UTC
From: fraser.castle@...
Topic: 1155 Message: 1155

I have been asked whether this Group can be moved to a better platform as Yahoo Groups is apparently struggling. Groups.io has been suggested.

I have visited the Groups.io web site to investigate how to transfer this group to that platform. It is relatively simple and basically clones this Group onto that platform, including the membership. I am concerned about moving membership to that platform without permission and requesting such from each member of this forum is not practical for me.

I have therefore decided to make this announcement .....

The Lowe_Receivers Group will move to a new platform one week from the date of this message. It will be transferred to the Groups.io platform using their automated process. If you do not want to be included in this migration process, please remove yourself from this groups membership before Saturday 7 April 2018.

During the migration, all moderators are returned to normal membership status so we will need moderators if the new Group is to be moderated. If no one volunteers, I will have no choice but to make the Group 'Open' and so very likely to be spammed to death.

My involvement with this Group and the New Groups.io site will be deliberately minimal on my part as I have other commitments and interests these days. All of my Lowe Receivers and the Lowe/SMC spares will be sold. I may create a spares list on the new forum or they may just go on ebay. I cannot cope with sending out lots of small orders as it will take too much time to do. Anyone wanting spares for their HF-150 needs to contact me soon as I will be disposing of all stock in the very near future. There will also be a PR-150 and some other accessories being sold. Once they are gone, they are gone.

Regards

Fraser
Lowe_Receivers Group Owner

1156. Re: [Lowe_Receivers] Lowe Receivers Groups will be moving !

Yahoo group: Lowe_Receivers
Date: 2018-04-01 23:47:29 UTC
From: Julian Hardstone
Topic: 1155 Message: 1156

Fraser - I'm sure I could help out with moderation of a new .io group. I am owner of a few Yahoo groups and I presume that approving posts on .io groups is as transparent as it was on Yahoo.

I hope to see this little community keep in touch.

Regards - Julian

-------- Original message --------
From: "fraser.castle@btinternet.com [Lowe_Receivers]" <Lowe_Receivers@yahoogroups.com>
Date:30/03/2018 10:11 PM (GMT+00:00)
To: Lowe_Receivers@yahoogroups.com
Subject: [Lowe_Receivers] Lowe Receivers Groups will be moving !

I have been asked whether this Group can be moved to a better platform as Yahoo Groups is apparently struggling. Groups.io has been suggested.

I have visited the Groups.io web site to investigate how to transfer this group to that platform. It is relatively simple and basically clones this Group onto that platform, including the membership. I am concerned about moving membership to that platform without permission and requesting such from each member of this forum is not practical for me.

I have therefore decided to make this announcement .....

The Lowe_Receivers Group will move to a new platform one week from the date of this message. It will be transferred to the Groups.io platform using their automated process. If you do not want to be included in this migration process, please remove yourself from this groups membership before Saturday 7 April 2018.

During the migration, all moderators are returned to normal membership status so we will need moderators if the new Group is to be moderated. If no one volunteers, I will have no choice but to make the Group 'Open' and so very likely to be spammed to death.

My involvement with this Group and the New Groups.io site will be deliberately minimal on my part as I have other commitments and interests these days. All of my Lowe Receivers and the Lowe/SMC spares will be sold. I may create a spares list on the new forum or they may just go on ebay. I cannot cope with sending out lots of small orders as it will take too much time to do. Anyone wanting spares for their HF-150 needs to contact me soon as I will be disposing of all stock in the very near future. There will also be a PR-150 and some other accessories being sold. Once they are gone, they are gone.

Regards

Fraser

Lowe_Receivers Group Owner

1157. Newby

Yahoo group: Lowe_Receivers
Date: 2018-05-15 14:26:27 UTC
From: John Curry
Topic: 1157 Message: 1157

Hi to allJust joined the group having purchased a hf-235. Its not been delivered yet but i would like to know what i can expect and what to look out for upon testing this receiver outRegards to allJohn

Sent from Yahoo Mail on Android

1158. Re: Lowe Receivers Groups will be moving !

Yahoo group: Lowe_Receivers
Date: 2018-05-30 15:06:30 UTC
From: JRTOW3RD@...
Topic: 1155 Message: 1158

I searched for 'Lowe Receivers' on groups.io and haven't found it - did you change the name? Thanks!

John Tow

1159. Re: [Lowe_Receivers] Re: Lowe Receivers Groups will be moving !

Yahoo group: Lowe_Receivers
Date: 2018-05-30 16:11:51 UTC
From: Guy Atkins
Topic: 1155 Message: 1159

Hi John!

I've wondered the same thing too, since the announcement some time ago.

BTW, my third time seeking a working HF-150 was a charm. You may recall my adventures the last couple of years with this model. This one now has the Bournes ball-bearing optical encoder mod, gas discharge tube static protection on the antenna input, and a BHI Ltd. NEDSP-1061KBD noise reduction module installed between the product detector and audio amp. The NR works superbly in the HF-150, and I still have that Infinity P143 external speaker you recommended. Now, if I can just hear some shortwave signals from the Seattle area, other than the Chinese and Korean outlets! Fortunately, New Zealand booms in here too, and always makes for good listening.

73,

Guy

On Wed, May 30, 2018 at 8:06 AM, JRTOW3RD@... [Lowe_Receivers] <
Lowe_Receivers@yahoogroups.com> wrote:

>
>
> I searched for 'Lowe Receivers' on groups.io and haven't found it - did
> you change the name? Thanks!
>
> John Tow
>
>
>

1160. Re: [Lowe_Receivers] Re: Lowe Receivers Groups will be moving !

Yahoo group: Lowe_Receivers
Date: 2018-05-30 16:16:24 UTC
From: John Curry
Topic: 1155 Message: 1160

Hi johnI joined on yahoo and i find it very very quietRegardsJohn
Sent from Yahoo Mail on Android

On Wed, 30 May 2018 at 16:09, JRTOW3RD@BELLSOUTH.NET
[Lowe_Receivers]<Lowe_Receivers@yahoogroups.com> wrote:

I searched for 'Lowe Receivers' on groups.io and haven't found it - did you change the name? Thanks!
John Tow

1161. The move.

Yahoo group: Lowe_Receivers
Date: 2018-05-30 16:52:17 UTC
From: Fraser Castle
Topic: 1161 Message: 1161

The move of this group to .io was delayed by my ill health. I will start the process this week. Everyone who wanted to be removed from the transfer process has now had plenty of time to leave the group :)

Fraser
Current Group Owner

Sent from my iPad